

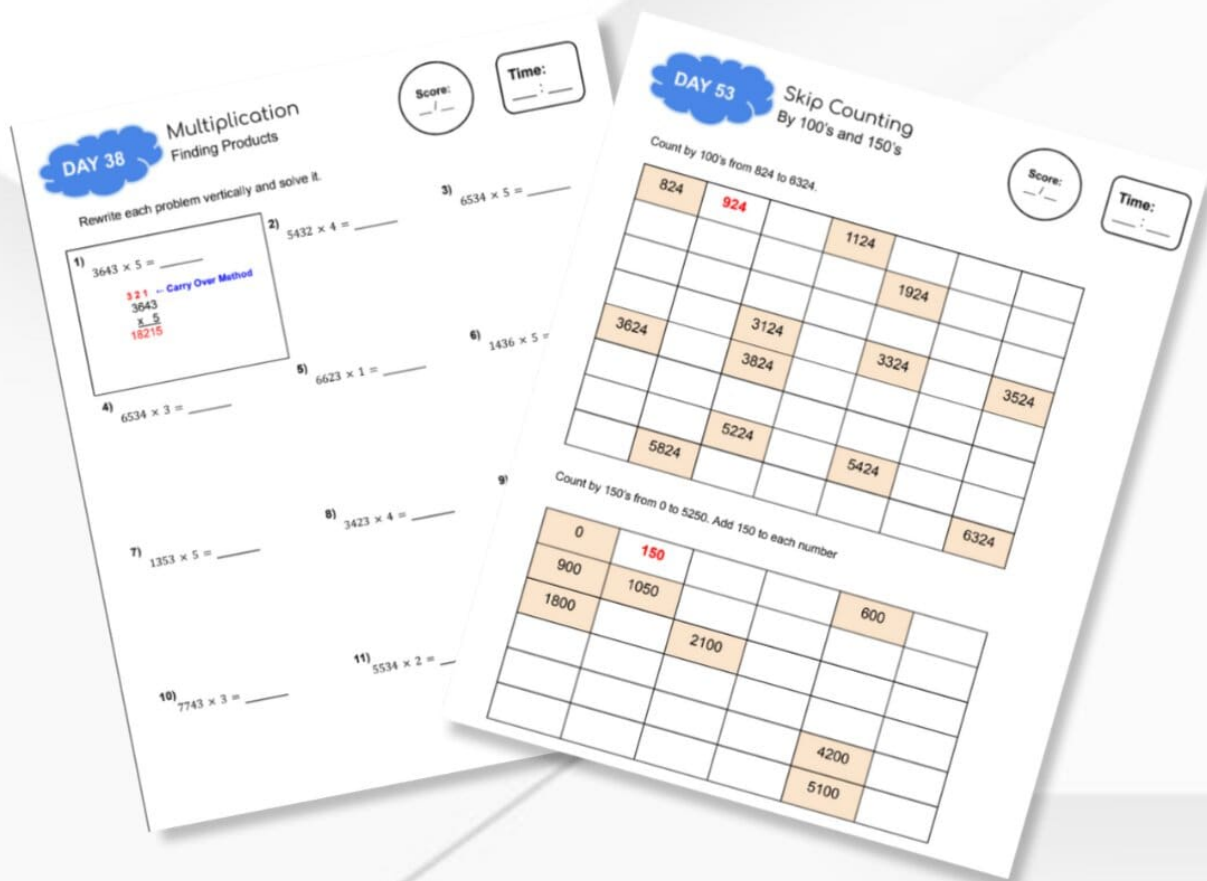


MATH PROJECT

Empowering minds

Student's Full Name: _____

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Enclosed are hand-selected worksheets from our Junior School curriculum. These worksheets are intended for students in Grade 2 to Grade 5 to prepare them for success in mathematics!

Parent's Full Name: _____

Student's Grade Level: _____ City/Province: _____

Parent Phone: _____ Parent Email: _____



Number Forms

Word, Standard and Expand

Score:
_ / _

Time:
_ : _

Complete the table by filling in the blank number forms.

Word Form	Short Word Form	Standard Form	Expanded Form
two hundred fifty-nine thousand, one hundred twenty-five	259 thousand, 125	259,125	$200,000 + 50,000 + 9,000 + 100 + 20 + 5$
1.	951 thousand, 8		
2.		408,363	
3.			$300,000 + 60,000 + 3000 + 100 + 10 + 4$
4. five hundred fifty-seven thousand, five hundred ninety-two			
5. nine hundred fifty-eight thousand, seven hundred thirty-seven			
6.	448 thousand, 846		
7.		830,777	



Skip Counting

By 100's and 150's

Score:
_ / _

Time:
_ : _

Count by 100's from 824 to 6324.

824	924		1124			
				1924		
		3124		3324		3524
3624		3824				
		5224		5424		
	5824					6324

Count by 150's from 0 to 5250. Add 150 to each number

0	150			600	
900	1050				
1800		2100			
				4200	
				5100	



Addition

More than 2 Numbers

Score:
_ / _

Time:
_ : _

Step 1:	Step 2:	Step 3:
$\begin{array}{r} 521 \\ 220 \\ 245 \\ + 654 \\ \hline 0 \end{array}$	$\begin{array}{r} 1 \\ 521 \\ 220 \\ 245 \\ + 654 \\ \hline 30 \end{array}$	$\begin{array}{r} 11 \\ 521 \\ 220 \\ 245 \\ + 654 \\ \hline 1630 \end{array}$

Find each sum

$\begin{array}{r} 1. \quad 356 \\ \quad 155 \\ \quad 486 \\ \quad + 736 \\ \hline \end{array}$	$\begin{array}{r} 5. \quad 356 \\ \quad 745 \\ \quad 445 \\ \quad + 809 \\ \hline \end{array}$	$\begin{array}{r} 9. \quad 834 \\ \quad 705 \\ \quad 887 \\ \quad + 775 \\ \hline \end{array}$
$\begin{array}{r} 2. \quad 478 \\ \quad 367 \\ \quad 226 \\ \quad + 634 \\ \hline \end{array}$	$\begin{array}{r} 6. \quad 487 \\ \quad 347 \\ \quad 845 \\ \quad + 845 \\ \hline \end{array}$	$\begin{array}{r} 10. \quad 983 \\ \quad 346 \\ \quad 645 \\ \quad + 445 \\ \hline \end{array}$
$\begin{array}{r} 3. \quad 367 \\ \quad 356 \\ \quad 743 \\ \quad + 367 \\ \hline \end{array}$	$\begin{array}{r} 7. \quad 367 \\ \quad 542 \\ \quad 465 \\ \quad + 354 \\ \hline \end{array}$	$\begin{array}{r} 11. \quad 998 \\ \quad 680 \\ \quad 347 \\ \quad + 745 \\ \hline \end{array}$
$\begin{array}{r} 4. \quad 356 \\ \quad 220 \\ \quad 245 \\ \quad + 654 \\ \hline \end{array}$	$\begin{array}{r} 8. \quad 570 \\ \quad 506 \\ \quad 609 \\ \quad + 426 \\ \hline \end{array}$	$\begin{array}{r} 12. \quad 423 \\ \quad 734 \\ \quad 589 \\ \quad + 724 \\ \hline \end{array}$



Subtraction

Subtracting from Whole Thousands

Score:
_ / _

Time:
_ : _

$2000 - 219 = 1781$

Find the missing numbers

1. $5000 - 574 =$ _____	13. $8000 - 715 =$ _____
2. $7000 - 256 =$ _____	14. $5000 - 772 =$ _____
3. $2000 - 255 =$ _____	15. $1000 - 728 =$ _____
4. $8000 - 752 =$ _____	16. $7000 - 523 =$ _____
5. $9000 - 735 =$ _____	17. $7000 - 486 =$ _____
6. $5000 - 225 =$ _____	18. $7000 - 255 =$ _____
7. $6000 - 715 =$ _____	19. $4000 - 856 =$ _____
8. $6000 - 775 =$ _____	20. $7000 - 978 =$ _____
9. $7000 - 885 =$ _____	21. $3000 - 475 =$ _____
10. $3000 - 505 =$ _____	22. $2000 - 556 =$ _____
11. $5000 - 644 =$ _____	23. $8000 - 887 =$ _____
12. $2000 - 248 =$ _____	24. $9000 - 687 =$ _____



Subtraction

4 Digit Numbers

Score:
_ / _

Time:
_ : _

Find the difference

1. $\begin{array}{r} 7852 \\ - 5047 \\ \hline 2805 \end{array}$	4. $\begin{array}{r} 8162 \\ - 4855 \\ \hline \end{array}$	7. $\begin{array}{r} 8422 \\ - 6204 \\ \hline \end{array}$
2. $\begin{array}{r} 4129 \\ - 854 \\ \hline \end{array}$	5. $\begin{array}{r} 8541 \\ - 6511 \\ \hline \end{array}$	8. $\begin{array}{r} 6180 \\ - 5482 \\ \hline \end{array}$
3. $\begin{array}{r} 4588 \\ - 650 \\ \hline \end{array}$	6. $\begin{array}{r} 8452 \\ - 6652 \\ \hline \end{array}$	9. $\begin{array}{r} 5410 \\ - 4250 \\ \hline \end{array}$

Questions	Solutions
10. Kenny works at a shoe store. He has 1452 shoes in stock. At the end of the week he sold 569 shoes. How many shoes does he have left in stock?	
11. Jimmy also works at the shoe store. There are 4223 running shoes in stock and he sold 3245 in a month. How many running shoes does Jimmy have left?	
12. The shoe store has 2342 pairs of socks in their inventory. At the end of the week, they sold 544 pairs. How many pairs of socks do they have left?	



Multiplication

Fill in the Blanks



We know that $2 \times 24 = 48$, so:

$$20 \times \underline{\hspace{2cm}} = 4800 \rightarrow 20 \times \mathbf{240} = 4800$$

We know $2 \times 24 = 48$, and we are short 1 zero. $\rightarrow \mathbf{240}$

Determine the missing numbers.

1) $30 \times \underline{\hspace{2cm}} = 900$

11) $40 \times \underline{\hspace{2cm}} = 1600$

2) $\underline{\hspace{2cm}} \times 40 = 4000$

12) $60 \times \underline{\hspace{2cm}} = 1200$

3) $\underline{\hspace{2cm}} \times 30 = 1200$

13) $70 \times \underline{\hspace{2cm}} = 4900$

4) $\underline{\hspace{2cm}} \times 110 = 4400$

14) $90 \times \underline{\hspace{2cm}} = 1800$

5) $90 \times \underline{\hspace{2cm}} = 3600$

15) $20 \times \underline{\hspace{2cm}} = 4000$

6) $\underline{\hspace{2cm}} \times 70 = 1400$

16) $\underline{\hspace{2cm}} \times 60 = 2400$

7) $\underline{\hspace{2cm}} \times 400 = 8000$

17) $40 \times \underline{\hspace{2cm}} = 1200$

8) $\underline{\hspace{2cm}} \times 70 = 2800$

18) $60 \times \underline{\hspace{2cm}} = 1800$

9) $60 \times \underline{\hspace{2cm}} = 1200$

19) $60 \times \underline{\hspace{2cm}} = 1200$

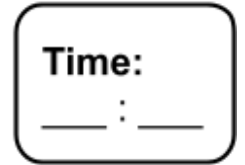
10) $\underline{\hspace{2cm}} \times 30 = 6000$

20) $40 \times \underline{\hspace{2cm}} = 800$



Multiplication

Finding Products



Rewrite each problem vertically and solve it.

1)

$3643 \times 5 = \underline{\hspace{2cm}}$

$$\begin{array}{r} 321 \leftarrow \text{Carry Over Method} \\ 3643 \\ \times 5 \\ \hline 18215 \end{array}$$

2)

$5432 \times 4 = \underline{\hspace{2cm}}$

3)

$6534 \times 5 = \underline{\hspace{2cm}}$

4)

$6534 \times 3 = \underline{\hspace{2cm}}$

5)

$6623 \times 1 = \underline{\hspace{2cm}}$

6)

$1436 \times 5 = \underline{\hspace{2cm}}$

7)

$1353 \times 5 = \underline{\hspace{2cm}}$

8)

$3423 \times 4 = \underline{\hspace{2cm}}$

9)

$5432 \times 6 = \underline{\hspace{2cm}}$

10)

$7743 \times 3 = \underline{\hspace{2cm}}$

11)

$5534 \times 2 = \underline{\hspace{2cm}}$

12)

$5313 \times 1 = \underline{\hspace{2cm}}$



Multiplication

Mixed Digit

Score:
_ / _

Time:
_ : _

Rewrite each problem vertically and solve it.

Multiply $31 \times 771 \Rightarrow$

	31	
	$\times 771$	
	<u>31</u>	$\leftarrow 1 \times 31 = 31$
	2170	$\leftarrow 70 \times 31 = 2170$
	<u>+ 21700</u>	$\leftarrow 700 \times 31 = 21700$
	23901	

1) $6577 \times 12 = \underline{\hspace{2cm}}$

2) $295 \times 356 = \underline{\hspace{2cm}}$

3) $5435 \times 3 = \underline{\hspace{2cm}}$

4) $524 \times 3 = \underline{\hspace{2cm}}$

5) $3524 \times 11 = \underline{\hspace{2cm}}$

6) $7046 \times 8 = \underline{\hspace{2cm}}$



Division

Finding Quotients

Score:
_ / _

Time:
_ : _

Find each quotient.

1) $24 \div 12 = 2$
Because $12 \times 2 = 24$.

12) $49 \div 7 =$ _____

2) $40 \div 20 =$ _____

13) $16 \div 4 =$ _____

3) $60 \div 12 =$ _____

14) $45 \div 9 =$ _____

4) $12 \div 6 =$ _____

15) $36 \div 6 =$ _____

5) $24 \div 12 =$ _____

16) $15 \div 3 =$ _____

6) $22 \div 11 =$ _____

17) $65 \div 5 =$ _____

7) $9 \div 3 =$ _____

18) $25 \div 5 =$ _____

8) $54 \div 9 =$ _____

19) $81 \div 3 =$ _____

9) $48 \div 6 =$ _____

20) $64 \div 8 =$ _____

10) $34 \div 17 =$ _____

21) $84 \div 6 =$ _____

11) $30 \div 6 =$ _____

22) $63 \div 3 =$ _____

Fill in the missing numbers to solve the long division problem.

<p>Example</p> <pre style="font-family: monospace; font-size: 1.2em;"> 1 □ □ □ □ 5 5 5 9 5 □ --- 5 5 □ □ --- □ □ 5 0 --- R □ </pre>	<p>Solution</p> <pre style="font-family: monospace; font-size: 1.2em;"> 1 1 1 5 0 5 5 5 9 5 0 --- 5 5 5 0 --- 5 9 5 0 --- R 9 </pre>
---	---

1)

```

      1  0  4
    □ □ 1  0  4
      - □  0
      ---
        0  4
         -  0
         ---
           □  2
           - 4  0
           ---
             R □
          
```

2)

```

      1  □  □
    2  □ 2  0  4  8
      - □  □
      ---
        0  4
         -  0
         ---
           4  8
           - 4  0
           ---
             R 8
          
```

3)

```

      2  0  4
    6  □  □  □  □
      - □  □
      ---
        0  2
         -  0
         ---
           2  4
           - 2  4
           ---
             R 0
          
```

4)

```

      3  6  3
    □  2  5  4  1
      - □  □
      ---
        4  □
         - □  □
         ---
           2  1
           - 2  1
           ---
             R 0
          
```

5)

```

      □  2  2
    1  2 1  4  6  4
      - □  □
      ---
        2  □
         - □  □
         ---
           2  4
           - 2  4
           ---
             R 0
          
```

6)

```

      1  □  □
    1  3  □  □  1  4
      - □  □
      ---
        1  0  1
         -  9  1
         ---
           1  0  □
           - 1  0  4
           ---
             R 0
          
```

7)

```

      □  □  3
    □  0 4  5  9  0
      - □  □
      ---
        1  5  9
         - 1  5  0
         ---
           □  □
           - 9  0
           ---
             R 0
          
```

8)

```

      1  □  □
    6  □ 6  9  1  2
      - □  □
      ---
        5  1
         - □
         ---
           5  1  □
           - □  1  2
           ---
             R 0
          
```

9)

```

      2  2  □
    2  2  □  □  8  4
      - □  □
      ---
        □  □
         - □  □
         ---
           □  □
           - □  □
           ---
             R 0
          
```



Fractions

Word Problems

Score:
_ / _

Time:
_ : _

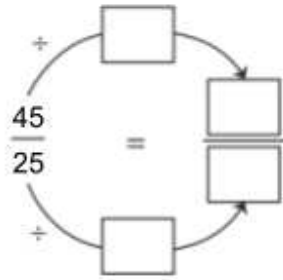
Use GRASS or GRS for the following word problems.

Questions	Solutions
<p>1) Jason has 7 pencils. Four of them do not have erasers at the end.</p> <p>What fraction of pencils do not have erasers at the end?</p>	<p>G: 7 pencils and 4 have no erasers.</p> <p>R: Fraction of non eraser pencils</p> <p>S:</p> $\frac{\text{no erasers}}{\text{total pencils}} = \frac{4}{7} \text{ non eraser pencils}$
<p>2) Jokic has a small bag with 14 smarties. In the bag of smarties, 4 of them are brown, 2 are red, 1 is blue, 7 are green.</p> <p>What fraction of smarties are green?</p>	
<p>3) Luka divided an orange into 6 equal pieces. He ate 4 pieces, then put the other 2 in the freezer.</p> <p>What fraction did Luka eat?</p>	
<p>4) Chris has 7 candy bars. He gives one to Devin and one to Ayton. He keeps the rest to himself.</p> <p>What fraction of candy bars does he keep?</p>	
<p>5) Candace makes an apple pie. It was divided into 10 equal slices. Candace ate 3 equal slices and another before school.</p> <p>What fraction of pie did she eat?</p>	

Simplify each fraction using the GCF method.

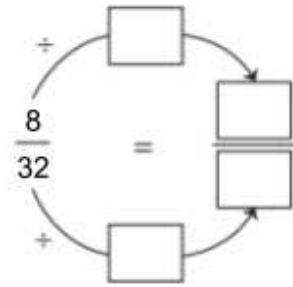
1) $\frac{45}{25}$

The GCF of 45 and 25 = _____



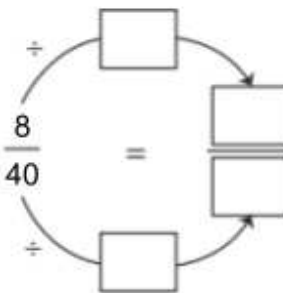
4) $\frac{8}{32}$

The GCF of 8 and 32 = _____



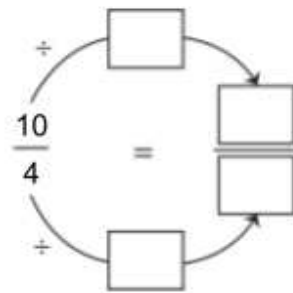
2) $\frac{8}{40}$

The GCF of 8 and 40 = _____



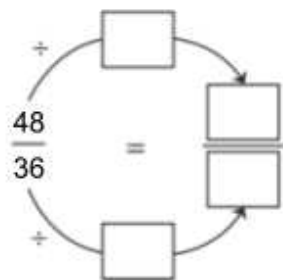
5) $\frac{10}{4}$

The GCF of 10 and 4 = _____



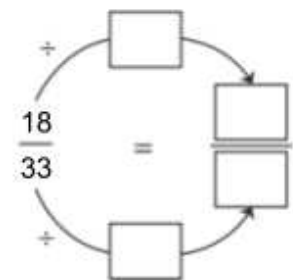
3) $\frac{48}{36}$

The GCF of 48 and 36 = _____



6) $\frac{18}{33}$

The GCF of 18 and 33 = _____



Fill in the blanks.

$$3 - \underline{\hspace{2cm}} = 1\frac{6}{9}$$

$$\frac{27}{9} - \underline{\hspace{1cm}} = \frac{15}{9}$$

$$\frac{27}{9} - \frac{12}{9} = \frac{15}{9}$$

$$3 - \underline{1\frac{1}{3}} = 1\frac{6}{9}$$

← Convert into improper form

← Keep the denominators the same and $27 - 12 = 15$

← Convert back to mixed form and reduce/ simplify.

Find the missing fraction. Show your answers as mixed numbers.

1) $6 - \underline{\hspace{2cm}} = 5\frac{6}{8}$

9) $3 - \underline{\hspace{2cm}} = 2\frac{3}{8}$

2) $3 - \underline{\hspace{2cm}} = 2\frac{1}{15}$

10) $6 - \underline{\hspace{2cm}} = 2\frac{1}{6}$

3) $6 - \underline{\hspace{2cm}} = 2\frac{6}{10}$

11) $6 - \underline{\hspace{2cm}} = 4\frac{3}{7}$

4) $4 - \underline{\hspace{2cm}} = 3\frac{7}{8}$

12) $10 - \underline{\hspace{2cm}} = 2\frac{3}{5}$

5) $6 - \underline{\hspace{2cm}} = 1\frac{3}{4}$

13) $8 - \underline{\hspace{2cm}} = 5\frac{5}{10}$

6) $9 - \underline{\hspace{2cm}} = 3\frac{2}{7}$

14) $6 - \underline{\hspace{2cm}} = 3\frac{1}{9}$

7) $3 - \underline{\hspace{2cm}} = 2\frac{7}{12}$

15) $4 - \underline{\hspace{2cm}} = 2\frac{7}{11}$

Find the sum or difference.

$$\begin{array}{r} 1) \quad 47.25 \\ - 26.25 \\ \hline 21.00 \end{array}$$

$$\begin{array}{r} 7) \quad 86.46 \\ + 53.73 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 86.46 \\ + 33.90 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 46.80 \\ + 36.09 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 46.36 \\ - 15.36 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 46.63 \\ + 23.36 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 67.80 \\ - 40.08 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 87.24 \\ + 75.42 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 53.76 \\ + 24.46 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 90.65 \\ - 23.75 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 86.46 \\ + 73.62 \\ \hline \end{array}$$

$$\begin{array}{r} 21) \quad 82.22 \\ + 64.24 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 47.35 \\ + 46.36 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 86.24 \\ + 74.35 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 75.98 \\ + 35.73 \\ \hline \end{array}$$

$$\begin{array}{r} 22) \quad 46.35 \\ - 28.33 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 50.07 \\ - 13.56 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 86.25 \\ + 47.77 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 86.44 \\ - 58.99 \\ \hline \end{array}$$

$$\begin{array}{r} 23) \quad 35.77 \\ - 16.00 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 23.76 \\ + 48.34 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 74.24 \\ - 38.44 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 55.66 \\ + 49.76 \\ \hline \end{array}$$

$$\begin{array}{r} 24) \quad 50.80 \\ - 50.00 \\ \hline \end{array}$$

Fill in the empty blocks with the correct number or operation (+ or -).
The first puzzle has been solved for you.

1.

5	+	9	=	14
+		+		+
1	+	11	=	12
=		=		=
6	+	20	=	26

2.

22		3	=	25
-		+		
6	-	1	=	5
=		=		=
	+		=	20

3.

	+	7	=	24
-		+		
16	-		=	14
=		=		=
	+		=	10

4.

22	-	3	=	
-		+		-
7		4	=	
=		=		=
	-		=	8

5.

22	+		=	27
-		+		-
	-		=	
=		=		=
12		11	=	23

6.

7	+		=	23
+		+		-
	-	6	=	
=		=		=
	-		=	7



Inverse Relationships Fact Families

Score:
_ / _

Time:
_ : _

Fill in the blanks for each fact family.

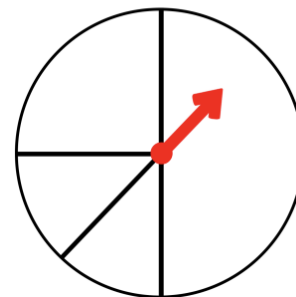
- | | | | |
|---|---|--|--|
| 1. $11 \times 10 = 110$
$10 \times 11 = 110$
$110 \div 10 = 11$
$110 \div 11 = 10$ | 6. $11 \times 11 = 121$
$11 \times \underline{\quad} = 121$
$121 \div 11 = \underline{\quad}$
$121 \div \underline{\quad} = 11$ | 11. $9 \times 8 = 72$
$8 \times \underline{\quad} = 72$
$72 \div 8 = \underline{\quad}$
$72 \div 9 = \underline{\quad}$ | 16. $13 \times 13 = 169$
$13 \times \underline{\quad} = 169$
$169 \div \underline{\quad} = 13$
$169 \div 13 = \underline{\quad}$ |
| 2. $11 \times 8 = 88$
$8 \times 11 = \underline{\quad}$
$88 \div \underline{\quad} = 11$
$88 \div 11 = \underline{\quad}$ | 7. $9 \times 9 = 81$
$\underline{\quad} \times 9 = 81$
$\underline{\quad} \div 9 = 9$
$81 \div \underline{\quad} = 9$ | 12. $13 \times 3 = 39$
$3 \times \underline{\quad} = 39$
$39 \div \underline{\quad} = 13$
$39 \div 3 = \underline{\quad}$ | 17. $4 \times 12 = 48$
$12 \times \underline{\quad} = 48$
$48 \div \underline{\quad} = 4$
$48 \div 4 = \underline{\quad}$ |
| 3. $12 \times 5 = 60$
$5 \times \underline{\quad} = 60$
$\underline{\quad} \div 5 = 12$
$60 \div 12 = \underline{\quad}$ | 8. $7 \times 12 = 84$
$12 \times \underline{\quad} = 84$
$84 \div \underline{\quad} = 7$
$84 \div 7 = \underline{\quad}$ | 13. $12 \times 6 = 72$
$6 \times \underline{\quad} = 72$
$\underline{\quad} \div 6 = 12$
$72 \div 12 = \underline{\quad}$ | 18. $12 \times 9 = 108$
$\underline{\quad} \times 12 = 108$
$108 \div 9 = \underline{\quad}$
$\underline{\quad} \div 12 = 9$ |
| 4. $6 \times 7 = 42$
$\underline{\quad} \times 6 = 42$
$42 \div \underline{\quad} = 6$
$\underline{\quad} \div 6 = 7$ | 9. $2 \times 12 = 24$
$12 \times \underline{\quad} = 24$
$24 \div \underline{\quad} = 2$
$24 \div 12 = \underline{\quad}$ | 14. $8 \times 6 = 48$
$6 \times 8 = \underline{\quad}$
$48 \div 6 = \underline{\quad}$
$48 \div 8 = \underline{\quad}$ | 19. $9 \times 6 = 54$
$6 \times 9 = \underline{\quad}$
$54 \div 6 = \underline{\quad}$
$54 \div 9 = \underline{\quad}$ |
| 5. $7 \times 10 = 70$
$\underline{\quad} \times 7 = 70$
$70 \div 10 = \underline{\quad}$
$70 \div 7 = \underline{\quad}$ | 10. $12 \times 12 = 144$
$12 \times \underline{\quad} = 144$
$\underline{\quad} \div 12 = 12$
$144 \div 12 = \underline{\quad}$ | 15. $12 \times 8 = 96$
$\underline{\quad} \times 12 = 96$
$96 \div 8 = \underline{\quad}$
$96 \div 12 = \underline{\quad}$ | 20. $12 \times 11 = 132$
$11 \times \underline{\quad} = 132$
$132 \div 12 = \underline{\quad}$
$132 \div \underline{\quad} = 11$ |

Score:
_ / _

Time:
_ : _

1. At Milo's friend's party, they used a spinner to decide the chocolate bars they would be eating. Read the results and label the spinner accordingly.

- ★ Agatha spun 4 times and got 'Kit Kat' 2 times
- ★ Addison spun 12 times and got 'Twix' 3 times
- ★ Amy spun 32 times; she got 'Snickers' 4 times and 'Milky Way' 4 times



2. What is the probability of rolling a 6-sided die and getting a 3?
3. Suppose you have a spinner which is evenly split into 6 sections and labelled:

A B C D E F

- a. What is the probability that the spinner lands on A or B?
 - b. What is the probability that the spinner lands on a consonant?
4. The public library counted the number of non-fiction books on each shelf. Here is their collected data:

67 89 18 19 35 66 10 45 68 45 23

- a. Arrange the data into a stem-and-leaf plot.
 - b. What is the mean, mode, and the median of the data?
5. The tally chart below shows the most popular ice cream flavours for grade 4 and 5 students.

Favourite Ice Cream Flavour	Number of Students
Chocolate	
Vanilla	
Strawberry	
Butterscotch	
Cookies n' Cream	

- a. Draw a bar graph to display these data. What scale did you use?
- b. Draw a pictogram to display the data. What key did you use?
- c. Which ice cream flavour is twice as popular as the Cookies n' Creme?
- d. How many more students choose Vanilla than Strawberry?

6. Talia and Amaani played a game of dice and recorded their rolls on a tally chart.

a. Complete the tally chart with the following information:

- i. Talia and Amaani rolled twenty-two 1s.
- ii. They rolled sixteen 2s.
- iii. They rolled eighteen 3s.
- iv. They rolled fourteen 4s.
- v. They rolled twenty 5s and twenty 6s.

Roll	Tally
1	
2	
3	
4	
5	
6	

- b. How many rolls were made in total?
- c. Which number was rolled most often?
- d. How many more 1s were rolled compared to 2s?
- e. Use the tally chart to create a vertical bar graph. Include a title, scale and labeled axes.


f. After playing the game Talia and Amaani made the following spinner.




How would the spinner results compare to the dice results? Explain your thinking.

- g. What is the probability of spinning a 4?
- h. What is the probability of spinning a number greater than 4?
- i. What is the probability of spinning a number less than 4?

1. Which rectangle has the greatest area?

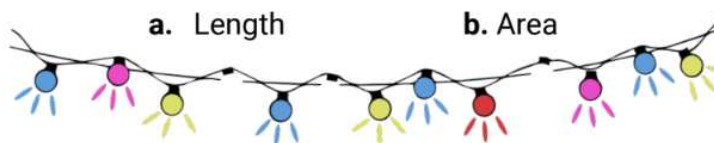
a.  12 cm 3 cm

b.  9 cm 4 cm

c. Both rectangles have the same area

2. A rectangle has an area of 56 square centimeters. The width of the rectangle is 7 centimeters. What is the length of the rectangle?

3. Tamara is going to put sparkly lights around her bedroom. She measures one side of her bedroom and finds it measures 21 meters. Which measurement does 21 meters represent? Explain your reasoning.



4. Billy worked on his project for 20 minutes before taking a break. After the break, he worked on the project for another 40 minutes. How much time did he spend doing the project?

5. Use the protractor to determine each angle below.

