1) How many wholes?

2 wholes

2) What fraction of the shape is shaded?

\[ \frac{3}{5} \]

3) Draw a shape with an area less than 7 squares.

Various answers

4) What is 3,451 + 2,293?

5,744

---

1) Write the next two fractions in the sequence.

\[ \frac{1}{10}, \frac{3}{10}, \frac{5}{10}, \frac{7}{10}, \frac{9}{10}, \frac{11}{10} \]

2) What fraction is shaded?

\[ \frac{6}{11} \]

3) Which shape has the larger area?

Shape B

4) Subtract 386 from 1,202

816
1) Complete the sequence.

\[ 2, \frac{3}{4}, \frac{1}{2}, \frac{1}{4}, \square, \frac{3}{4} \]

2) What is the missing numerator?

\[ \frac{2}{3} = \frac{8}{12} \]

3) What is the area of a rectangle with 3 rows of 2 squares?

6 squares

4) 1,000 more than 2,481 is 3,481

---

1) Find the sum of \(\frac{2}{7}\) and \(\frac{3}{7}\)

\(\frac{5}{7}\)

2) What is the missing denominator?

\(\frac{3}{5} = \frac{12}{20}\)

3) What is the area of the shape?

10 squares

4) Add 392 and 1,509 together.

1,901
Talk about Brett’s method with a partner.

<table>
<thead>
<tr>
<th>1</th>
<th>3</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Brett uses a place value chart to work out 5 × 32

Complete the multiplication.

Talk about Rosie’s method with a partner.

<table>
<thead>
<tr>
<th>168</th>
</tr>
</thead>
<tbody>
<tr>
<td>$(100 \times 6)$</td>
</tr>
<tr>
<td>$(20 \times 6)$</td>
</tr>
<tr>
<td>$(8 \times 6)$</td>
</tr>
</tbody>
</table>

Use Rosie’s method to work out 6 × 34

Talk about Dani’s method with a partner.

<table>
<thead>
<tr>
<th>148</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
</tr>
<tr>
<td>3</td>
</tr>
</tbody>
</table>

Dani uses a different written method to work out 8 × 42

Use Brett’s method to work out 5 × 32

Multiply 2-digits by 1-digit

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How many flowers does she have altogether?

Rosie buys 8 bunches of flowers. Each bunch has 17 flowers.

How much money has Class 4 collected?

56 tickets have been sold so far.

Tickets cost £5 per person.

Class 4 is selling tickets for a play.

Use a written method to complete the multiplications.

\[
\begin{align*}
\text{a) } 38 \times 6 &= 228 \\
\text{b) } 71 \times 3 &= 213 \\
\text{c) } 45 \times 9 &= 405 \\
\text{d) } 38 \times 6 &= 228
\end{align*}
\]
Filip uses a place value chart to help him multiply a 3-digit number by a 1-digit number.

### Multiplication Chart

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>100</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>100</td>
<td>10</td>
<td>1</td>
</tr>
</tbody>
</table>

### Multiplication Problems

**a)** What multiplication is Filip working out?

**b)** What is the answer to Filip’s multiplication?

**c)** Use place value counters to complete the multiplications.

- **163 × 5**
- **217 × 4**
- **108 × 6**
- **124 × 3**

### Illustrated Multiplication

- **3 × 124**
- **530 = 6 × 106**
- **639 = 3 × 213**
- **216 = 4 × 209**
- **317 = 3 × 109**
- **836 = 4 × 216**

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b) Use a written method to work out 5 × 245.

7 There are 7 year groups in a school.
There are 112 children in each year group.
How many children are there in the whole school?

There are 7 year groups in a school.
A lorry driver travels 156 km per day.

How many kilometres will the lorry driver have travelled after 3 days?

A banana weighs 140 g.
A pineapple weighs 345 g.
Bag A contains 8 bananas and bag B contains 3 pineapples.
Which bag weighs more and by how much?

Show your working.

I know the answer should end in 5 because I know 5 × 5 is 25.
Teddy.

I know the answer will be greater than 1,000 because I know 5 × 200 is 1,000.
Ron.

(a) Who is correct? Circle your answer.

(b) 3 × 240
(c) 7 × 131
1 How much money is there?

TWENTY                    PENCE
T WO
 P
ENCE
F I VE P
ENCE
F I VE P
ENCE
TWO POUNDS
2010
TWO POUNDS
2010
TWO POUNDS
2010
TWO POUNDS
2010
TWO POUNDS
2010

Ron
Rosie
Jack

Match the person to the correct amount.

£4.60
£4.26
£4.20
£4.06
£4.62

£4 and 26p
£4 and 20p
£4 and 6p
£4 and 62p
£4 and 60p

What is the same and what is different?

£4 and 75p
£4 and 75p
£75p
£75
£75p

How much money is there?

£5
£2
£1
50p
25p
10p
5p
2p
1p

Complete the statements.

There is pounds.
There is pence.
There is £ and p.

(b) Draw money so that there are fewer coins but the same total amount.

Ron
Rosie
Jack

What is the same amount?

460p
£4 and 62p
£4.62

If the amount that are equal.

462p
£4 and 6p
£4.62
Amir has a note in his pocket.

Amir must have more money than Annie.

Amir has this money.

7 Mo has this money. Decide whether Mo's statements are true (T) or false (F). Circle your answer and give a reason for your choice.

a) T
b) F
c) T
d) T

8 Kim has four coins.

• The coins add to a multiple of 10
• The total amount is more than £1
• All the coins are silver.
• The total is less than £1.50

a) Which four coins could Kim have?

b) How many different combinations can you find?

9 How many different combinations can you find?

F 1
F 0
F 6.11
F 1
F 0.69
F 2.02
F 0
F 1
F 1.11

Amir has more money than Annie.

Amir must have more money than Annie.

Amir has three coins in her pocket.
1 How many hearts are there in total?

Complete the multiplication fact.
\[ \times \quad = \quad \]

2 Colour all the multiples of 9

3 Complete the calculations.

4 Complete the number tracks.

5 What pattern do you notice?

Use the 100 square to complete these calculations.
Jack is making arrays.

a) Use the arrays to complete the multiplications.

\[ \begin{array}{c}
54 \times 9 = 486 & 57 \times 6 = 342 \\
19 \times 9 = 171 & 18 \times 2 = 36 \\
9 \times 1 = 9 & 6 \times 9 = 54
\end{array} \]

Use your steps to work out these multiplications.

b) Write steps for a partner to explain how you can use the 10 times-table to multiply by 9.

I've noticed something about the sum of the digits of numbers that are multiples of 9.

6 What is the missing digit?

7 295 is a multiple of 9.

"What do you think Whitney has noticed?"

These numbers are all multiples of 9. What is the sum of the digits of each number?

a) Show that the sum of the digits of each number is the same.

These numbers are also multiples of 9. What is the sum of the digits of each number?

I've noticed something about the sum of the digits of numbers that are multiples of 9.