1. Which group has the most stars?

Year 3 Groups

- Wombats
- Koalas
- Possums
- Emus

2. Carmen and Sal each had a piece of string.
   They measured their strings using paperclips.

   Carmen's string
   Sal's string

Which of these statements is true?

- Carmen’s string is longer than Sal’s string.
- Carmen’s string is shorter than Sal’s string.
- Carmen’s string is the same length as Sal’s string.

3. Paul has 6 ten-cent coins in his hands.

How much money does Paul have in his hands altogether?

- 33 cents
- 16 cents
- 60 cents
- 50 cents
The graph below shows the number of students with each eye colour in Mrs Smith’s class.

<table>
<thead>
<tr>
<th>Eye colour</th>
<th>Number of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td>8</td>
</tr>
<tr>
<td>Brown</td>
<td>5</td>
</tr>
<tr>
<td>Hazel</td>
<td>4</td>
</tr>
<tr>
<td>Grey</td>
<td>2</td>
</tr>
<tr>
<td>Black</td>
<td>4</td>
</tr>
<tr>
<td>Green</td>
<td>7</td>
</tr>
</tbody>
</table>

Which statement is true?
- More students have brown eyes than black eyes.
- Less students have hazel eyes than grey eyes.
- Green is the most common eye colour.
- Blue is the most common eye colour.

Cathy has these two shapes.

Which shape could she make by joining them together?
A roller-coaster has 6 cars.
Each car has 3 people in it.

How many people are on the roller-coaster altogether?

6  9  12  18

Which clock shows half-past four?

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Rosa was given this money for her birthday.

How much money did Rosa get for her birthday?

$\underline{\hspace{2cm}}$

Some children were asked to name their favourite sport. The table below shows their responses.

<table>
<thead>
<tr>
<th>Favourite sport</th>
<th>Number of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basketball</td>
<td>$\underline{\hspace{4cm}}$</td>
</tr>
<tr>
<td>Tennis</td>
<td>$\underline{\hspace{3cm}}$</td>
</tr>
<tr>
<td>Hockey</td>
<td>$\underline{\hspace{3cm}}$</td>
</tr>
</tbody>
</table>

How many children were asked this question altogether?

$\underline{\hspace{2cm}}$
10 Stef’s book has more than 324 pages but less than 342 pages. Which of these could be the number of pages in Stef’s book?

- 322
- 326
- 344
- 346

11 Jack folded this piece of paper along the dotted lines to make a model. Which of these models did Jack make?

- 
- 
- 
- 

12 This pattern is made by turning a tile. Which tile is missing in the pattern?

- 
- 
- 
- 

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13 This scale is balanced.

What is the weight of the cube?

grams

14 Eva travelled *four thousand and thirty-seven* kilometres from Darwin to Sydney.

This distance can be written as:

- 437 km
- 4037 km
- 4370 km
- 40 037 km
The table shows the number of different birds Anne and Elizabeth saw.

<table>
<thead>
<tr>
<th></th>
<th>Finch</th>
<th>Magpie</th>
<th>Pigeon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anne</td>
<td>2</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Elizabeth</td>
<td>0</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

They drew a correct picture graph to show the number of birds they saw altogether.

Which picture graph did they draw? 

A teacher gives 5 of her students 10 blocks each.

Which of the following can be used to find how many blocks the teacher gave her students?

- \( 5 + 10 \)
- \( 5 + 5 + 5 + 5 + 5 \)
- \( 10 + 10 + 10 + 10 + 10 \)
- \( 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 \)
17. Karen spins the arrow on this spinner once.

What is the chance of the arrow landing on a heart? (certain) (likely) (unlikely) (impossible)

18. A farmer collects 24 eggs from his hen house. To count the eggs he puts them into groups of 3.

Which of the following shows the 24 eggs in groups of 3?
Henry uses the number sentence $12 \times 6 = 72$ to solve a problem. Which problem could he solve with this number sentence?

- Henry has 12 apples and gets 6 more. How many apples does he have now?
- Henry has 12 apples. He shares them with 6 friends. How many apples does each friend get?
- Henry has 12 friends. He buys 6 apples for each friend. How many apples does he buy?
- Henry has 12 apples and gives 6 away. How many apples does he have now?

Mike poured one cup of water into each of these containers. When full, which container will hold the most water?

A team of 5 players scores a total of 45 points in a game of basketball. Each player scores the same number of points. How many points does each player score?

- 50
- 40
- 9
- 8
22. Greta drew a treasure map. She marked the treasure with an \( \times \).

![Treasure Map Diagram]

**Clues**
- The \( \hat{\text{h}} \) is located in cell A2.
- The \( \hat{\text{p}} \) is located in cell B4.

In which cell is the \( \times \) located?
- A3
- C1
- C4
- D3

23. Shana buys the items shown.

![Items Diagram]

She gives the shop owner $30. How much change should Shana get?
- $6
- $7
- $24
- $54
Max made these four pictures by painting some squares grey on these grids.
All the small squares in the grids are the same size.
Which of these grids has the largest area painted grey?

Rani is comparing the weights of four different objects using a balance scale.
Which object is the heaviest?

Ava and Teni have 51 stickers altogether.
Ava has 38 stickers.
Which number sentence can be used to find the number of stickers Teni has?

\[ 51 - 38 = 13 \quad 51 + 38 = 89 \quad 38 - 51 = 13 \quad 38 - 13 = 25 \]
Before each car ride, Lina and Bess flip a fair coin to see which seat they will sit in. Lina always calls tails. She won the last three times. Which of the following is true for the next flip?

- Lina is most likely to win.
- Bess is most likely to win.
- Both are equally likely to win.

Kia is using a number line to show a pattern.

In Kia’s pattern, what number comes before 41?

- 36
- 37
- 38
- 39

Ari thinks of a number. He writes these clues so his friends can guess it.

- The number is less than 1000.
- The number has 90 tens.
- The digit in the ones place is the same as the digit in the hundreds place.

What is Ari’s number?

- 90
- 99
- 900
- 909
30 Pat wrote $? - 2 = 5$.

In which of these does the $?$ have the same value as above?

- $2 + 5 = ?$
- $? + 2 = 5$
- $5 - 2 = ?$
- $? = 5 - 2$

31 Bill, Sue and Mark share a bag of apples. Bill and Sue each get $\frac{1}{6}$ of the apples in the bag. What fraction of the bag of apples is left for Mark?

- $\frac{4}{6}$
- $\frac{3}{6}$
- $\frac{2}{6}$
- $\frac{1}{6}$

32 Anika is using this broken ruler to measure the width of her hand.

What is the width of Anika’s hand?

- 5 centimetres
- 6 centimetres
- 9 centimetres
- 14 centimetres
Robyn made this number sentence with cards.

\[43 + 28 = 43 + 30\]

Which of these cards will make the number sentence correct?

\[+ 2 \quad - 2 \quad + 8 \quad - 8\]

Nick has a rectangular garden which is 8 metres long and 6 metres wide. He puts a fence post in one corner. Then he puts posts every 1 metre around the garden. How many posts does he use altogether?

Sam and Kim picked 33 strawberries together. Kim picked 9 more strawberries than Sam. How many strawberries did Kim pick?

STOP – END OF TEST
### PRACTICE QUESTIONS

#### P1
How many apples are shown?

- 3
- 4
- 5
- 6

#### P2
Write a number in the box to make this number sentence correct.

\[ 6 + 4 = \square \]

#### P3
Here is a number pattern.

2, 4, 6, 8, ?

What is the next number in the pattern?

- 9
- 10
- 11
- 12