AIM 2005

Year 3 Mathematics

Please print your name here.

First Name   Last Name

Year 3 Practice Questions

P1 How many days in one week?
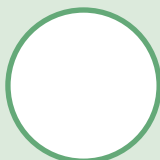
Shade one bubble

2   5   7   10

P2

$$5 \times 3$$

Write one number in each box

P3

How many of these shapes are circles?

Write one number in the box

Year 3 Mathematics – *This task will take 35 minutes.*

1 What is the largest number you can make using these cards?
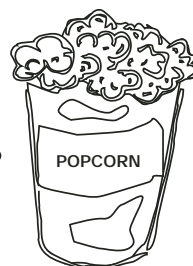
Write one number in each box

4   2   6

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2 Carla went to the movies.
She bought popcorn and a bottle of water.

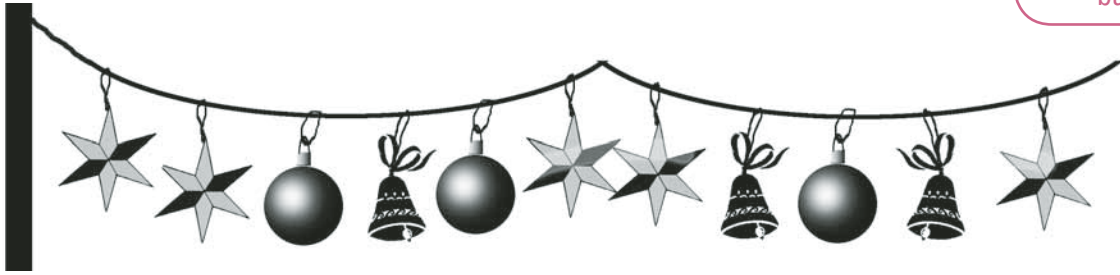How much money did she spend on these two items?

$ [ ] . [ ][ ]

POPCORN

WATER

$3.50 $2.25

3 Margie is hanging up decorations for her party.

The next decoration she hangs up is most likely to be a
- ⬭ star.
- ⬭ bell.
- ⬭ ball.

4 What is the next number in this counting pattern?

27, 31, 35, 39, ?

- ⬭ 40
- ⬭ 42
- ⬭ 43
- ⬭ 44

5 $\dfrac{1}{3} = \dfrac{2}{6} = \dfrac{3}{9} = \dfrac{?}{?}$

The missing fraction is

$\dfrac{4}{16}$ $\dfrac{4}{12}$ $\dfrac{4}{10}$ $\dfrac{4}{8}$
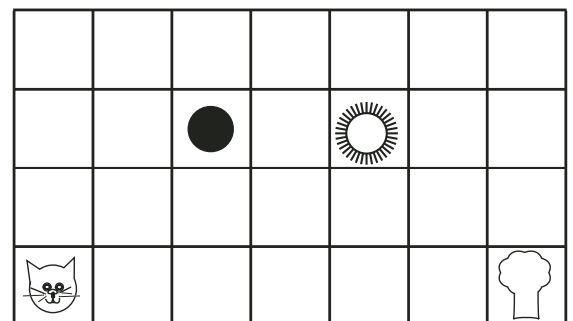
⬭   ⬭   ⬭   ⬭

6 Start at the ▲
Go 3 squares up the grid, then 1 square left.

What picture do you reach?

☀   🐱   🌳   ●
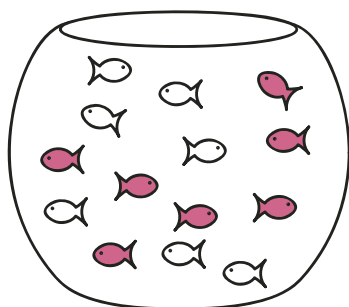
⬭   ⬭   ⬭   ⬭

7 A class had a ten question quiz.

The results for some students were:

Student	Result
Anne	8
Barry	9
Caz	7
Deb	3
Eric	7
Felix	4

How many of these students had a result above 5?

8

What fraction of the fish are shaded?

Shade one bubble

- ○ one-half
- ○ one-fifth
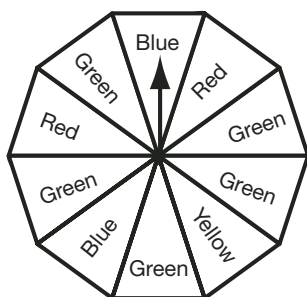- ○ one-third
- ○ one-quarter

9

The three-dimensional shape shown is a

- ○ cone.
- ○ cube.
- ○ sphere.
- ○ cylinder.

10

The next time the arrow is spun, it is most likely to land on
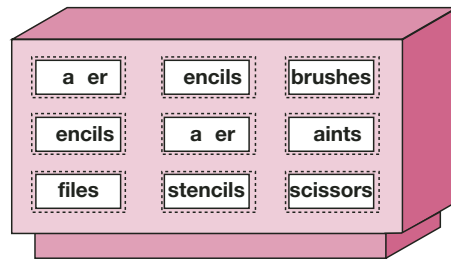
- ○ Red.
- ○ Blue.
- ○ Green.
- ○ Yellow.

11 This is the art supply cupboard.

What is stored in the far right-hand drawer in the middle row?

- ○ paper
- ○ paints
- ○ pencils
- ○ brushes

a er	encils	brushes
encils	a er	aints
files	stencils	scissors

12 6 pizzas are each cut into 6 slices and shared equally between 9 people.

How many slices does each person get?

| 4 | 6 | 8 | 9 |
| ○ | ○ | ○ | ○ |

13 Which shape is a parallelogram?

- ○ A
- ○ B
- ○ C
- ○ D

14

```
    5  7  8
+      3  6
  ┌──┬──┬──┐
  │  │  │  │
  └──┴──┴──┘
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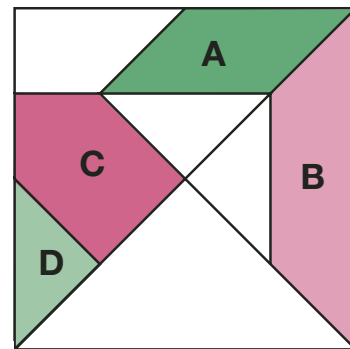
15

MARCH						
SUN	MON	TUE	WED	THUR	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

What is the date of the third Thursday in March?

- ○ 3 March
- ○ 16 March
- ○ 17 March
- ○ 31 March

16

RULER

A

B

C

D
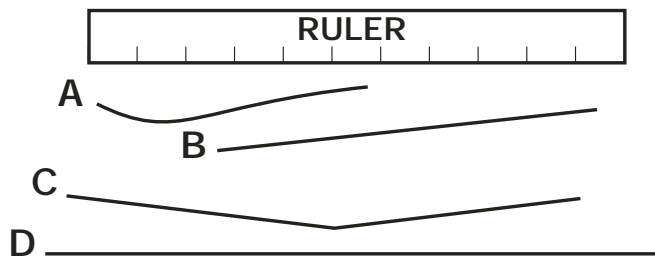
Which piece of string is about the same length as the ruler?

- A
- B
- C
- D

17

12×4 has the same value as

- 30×2
- 24×2
- 6×6
- 4×10

18

$? - 12 = 6$

The missing number is

- 2
- 6
- 18
- 20

19

Which letterbox has an odd number written on it?

20

21

24

28
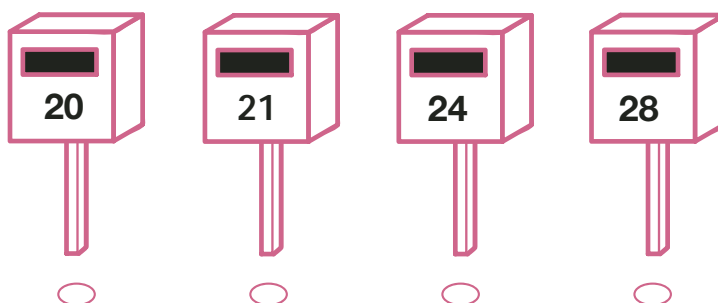
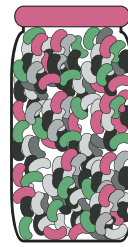**20** When these items are arranged from **lightest** to **heaviest**, the order is
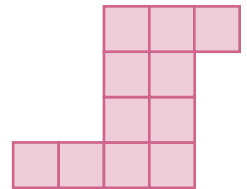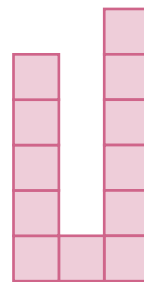
A B C D

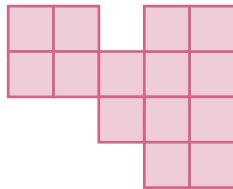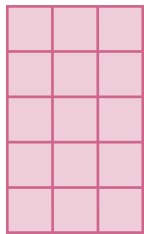○ B, C, A, D
○ C, A, B, D
○ C, B, A, D
○ D, B, A, C

21 Which shape has the smallest area?

○ ○ ○ ○
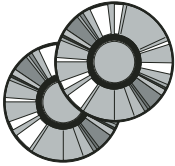
22 Wendy had $5 and spent $2.55.

Which set of coins shows her change?

○

○

○

○

23

Music CDs		
	Own	**Don't own**
Movie DVDs **Own**	Ben Anita ⬭	May Tan ⬭
Don't own	Aaron Emma Amy ⬭	Chet Lily Mel ⬭

Ten students were asked if they owned movie DVDs and music CDs.

Which group of students own movie DVDs but don't own music CDs?

24

Ian left home and spent $\frac{1}{2}$ an hour walking to the swimming pool and then he spent $1\frac{1}{4}$ hours swimming.

How long had he been away from home?

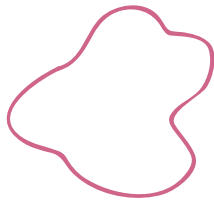$\frac{3}{4}$ hour ⬭ $1\frac{3}{4}$ hours ⬭   2 hours ⬭ $2\frac{1}{4}$ hours ⬭
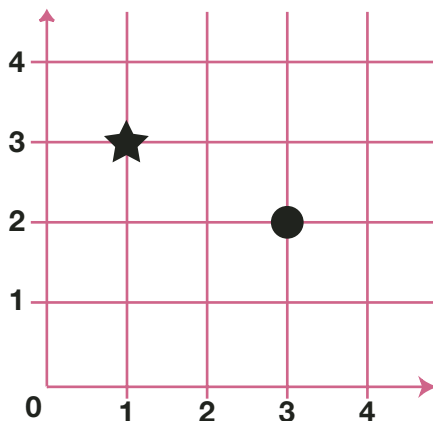
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25   Which of these shapes has one line of symmetry?

⬭   ⬭   ⬭   ⬭

26

If the dot ● is shown at (3, 2), then the star ★ is shown at

⬭   (3, 1)
⬭   (2, 3)
⬭   (1, 2)
⬭   (1, 3)

27 John grows vegetables.
He has 4 rows with 8 carrots in each row.
He also has 24 cabbages in his garden.

Which number sentence would you complete to find the total number of vegetables in John's garden?

- $24 - 4 \times 8 =$
- $24 + 4 - 8 =$
- $4 + 8 + 24 =$
- $4 \times 8 + 24 =$

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28 $8 \times 7 = \boxed{}$

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29 $56 \div 4 = \boxed{}$

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30 The jar of marbles has been shaken.
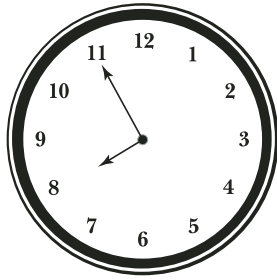
Without looking, Sarah takes one marble out of the jar.
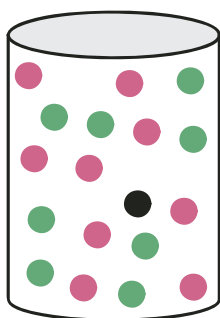
The chance of the marble being black is

- likely.
- certain.
- unlikely.
- impossible.

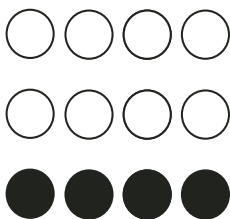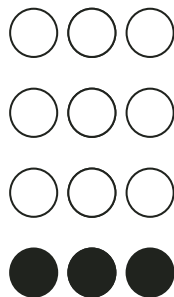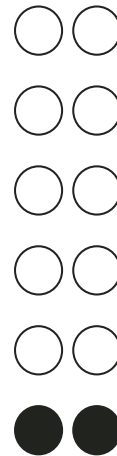**31** What time is shown on this clock?

7:55　　　8:11　　　8:55　　　11:08
○　　　　○　　　　○　　　　○

32

$$\begin{array}{r} 3\ 5 \\ -\ 1\ 7 \\ \hline \square\ \square \end{array}$$

33 Which group has $\frac{1}{4}$ of the objects shaded?

○　　　　　　　　　○

STOP HERE