

Friday 22nd January

Resources

Spelling and Reading Resources

L.O. to spell Year 3/4 words – Spelling Test

possess

possession

possible

potatoes

pressure

probably

promise

purpose

quarter

question

Garden Birds

Why do Birds Matter?

Birds are just there to look pretty and sound nice, right? Wrong! Birds are vital for the environment.



Birds encourage varied plant life through seed dispersal. They disperse seeds within their droppings, by catching them on their feathers and by dropping them from their beaks while flying. This means seeds get to travel to different places and grow elsewhere.



Birds control insect growth. Many birds, such as dunnocks, blue tits and blackbirds, eat insects. Without these insect-eating birds, there could be a dangerous number of insects on the planet.

Many birds, like crows and magpies, help rid the world of disease through eating dead animals. Without these birds eating the carcasses of other animals, diseases could more easily be spread.

Decreasing Numbers of Common Garden Birds

The starling, once common, has seen a steady decline in numbers. The loss of starlings has been linked to farming; it is thought that heavily farmed land makes it more difficult for birds to find their favourite food, the crane fly larvae.

House sparrow numbers have also decreased in the last few years, particularly in urban environments. The reason is not fully known, but could be due to cats or air pollution from more vehicles being used. Fortunately, last year, there was an increase in house sparrows reported through an RSPB nationwide survey.



Urban Environment
Cities and towns.




RSPB
The Royal Society for the Protection of Birds - a charity that protects British birds.



The Rise of Less Common Garden Birds

There has been an increase in some birds that are not often seen in gardens, such as fieldfares. Fieldfares are large, colourful thrushes that stand very upright and move forward with little hops. One reason for this increase seems to be freezing winters forcing fieldfares to leave the countryside and look for food in gardens.



At the beginning of 2016, there was an increase in the sightings of long-tailed tits and goldcrests. A warmer winter meant that more of these tiny birds survived.

Migration

Some birds migrate from the UK during the winter months and return when the weather becomes warmer.



- Swifts and swallows migrate to Africa.
- They can fly up to 200 miles every day.
- Many die from starvation, exhaustion and storms.



Resident British Birds



Robins:

- have a bright red breast;
- are very aggressive and will defend their territory;
- sing all year round;
- can be seen in British gardens all year round.

Magpies:

- have a loud, chattering cackle;
- can be easily seen with their black and white feathers;
- are important insect controllers;
- hunt for leftover food and dead animals.



Questions:

1. How do birds help with seed dispersal?
2. What are insect-eating birds important?
3. What is the benefit of birds waring the carcasses of dead animals?
4. Explain what problems have occurred due to heavily farmed land.
5. Why are there fewer house sparrows? Give one reason.
6. Describe how fieldfares move?
7. Name one bird whose numbers have increased. Explain why this has happened.
8. Why do some birds migrate, and where do they go?
9. Why might storms be a danger to migrating birds?
10. Are Robins cute and friendly?
11. Name one good thing that magpies do.

Answers

1. How do birds help with seed dispersal?

Birds disperse seeds within their droppings, by catching them on their feathers and by dropping them from their beaks while flying.

2. Why are insect-eating birds important?

Without them there would be a dangerous number of insects on the planet.

3. What is the benefit of birds eating the carcasses of dead animals?

A benefit of birds eating the carcasses is that they stop diseases spreading.

4. Explain what problems have occurred due to heavily farmed land.

The problems that have occurred due to heavily farmed land is that the number of starlings have declined because they cannot find their favourite food, the crane-fly larvae.

5. Why are there fewer house sparrows? Give one reason.

One reason there are fewer house sparrows could be due to cats or air pollution from more vehicles being used.

6. Describe how fieldfares move.

Fieldfares move forward with little hops.

7. Name one bird whose numbers have increased. Explain why this has happened.

One bird that has been seen more is the long-tailed tit/ goldcrest because the winters have been warmer and this meant they survived the winter.

8. Why do some birds migrate, and where do they go?

Some birds migrate to escape the winter months/ cold weather. Some of them go to Africa.

9. Why might storms be a danger to migrating birds?

Possible answers: the storm knocks them off course/ they might get lost/ they are killed by the weather/ might get blown into a building or wall/ get tired flying against the storm.

10. Are Robins always cute and friendly?

Robins look cute and friendly but are actually very aggressive and will defend their territory against intruders.

11. Name one good thing that magpies do.

They control the number of insects/ eat the carcasses of dead animals.

English Resources

Story Writing – Paragraph 3

Use your boxed-up planner to help you. Look back at Pie Corbett's model text to help you too.

★ In this section I want you to grant the main character a wish.

So, he scooped it up out of the net and set it free. Li stood watching as the fish swam out to sea. Then, to his amazement, it turned and spoke to him.

"Li, you have saved the King of the Fishes. I grant you one wish. When the moon is high in the sky, come back here and tell me your heart's desire.' With a flick of his fin, the King of the Fishes was gone.

The King of the Fishes grants Li one wish.	The animal grants the MC one wish.	Oyster grants Zoe one wish.

The Queen of the Oysters

Here's my third paragraph. Use it to help you write yours:

As soon as the oyster touched the sand, it spoke to Zoe.

“Zoe, you have saved the Queen of the Oysters. I will grant you one wish. Come back to me when the moonlight dances on the waves and I will give you what your heart desires.”

Share, Feedback and Editing

CUPS

- Check your punctuation and spelling.
 - Have you remembered full stops?
- Are there capital letters after the full stops?
- Have you remembered the comma after your fronted adverbials?
- Have you written your speech on a new line?

LO: To solve correspondence problems involving multiplication.

Maths Resources

You can watch the video if
you wish here-

[https://vimeo.com/498265
698](https://vimeo.com/498265698)

What are correspondence problems?

Correspondence problems are problems where you must find all possible combinations of objects in a set, or in more than one set.

You can use multiplication to help you.

1



Farhan wears a shirt and a pair of shorts every day.

For how many days can he wear a different combination?

2

A chocolate factory makes 3 different types of chocolate: plain, milk and dark. It sells bags with 2 chocolates in each bag. Write down **all** the combinations of chocolate.



An example is done for you.

plain and plain

.....

.....

Correspondence problems

- 1 A canteen has 2 types of bread and a choice of 3 sandwich fillings.

Bread	Fillings
white	cheese
brown	tuna
	chicken

- a) List the different sandwiches that can be made.

One has been done for you.

cheese on white

- b) Complete the multiplication to represent the number of different combinations of bread and filling.

$$\square \times \square = \square$$

Complete the sentence.

There are combinations.

- c) How many combinations would there be if there were 4 choices of sandwich filling?

- 2 A pizzeria offers a choice of bases and toppings.

Pizza base	Toppings
deep pan	mushrooms
thin	chicken
	onion
	peppers
	sweetcorn

Complete the multiplication to work out how many different combinations of pizza there are.

$$\square \times \square = \square$$

Complete the sentence.

There are combinations of pizza.

- 3 Mo visits the funfair.

He buys a ticket that allows him to choose 1 ride and 1 game at the fair.

Rides	Games
Big dipper	Hook-a-duck
Dodgems	Basketball
Carousel	Coconut shy
	Lucky dip
	Test-your-strength



- a)

There are 8 different possible choices of rides and games.



Is Mo correct? _____

Explain your answer.

b) List all the different choices Mo can make.

Mo can make different choices.

Extension

Here are the meal choices in the school canteen.

Starter	Main	Dessert
Soup Garlic Bread	Pasta Chicken Beef Salad	Cake Ice-cream Fruit Salad

There are 2 choices of starter, 4 choices of main and 3 choices of dessert.

How many meal combinations can you find? Can you use a systematic approach?

Can you represent the combinations in a multiplication?

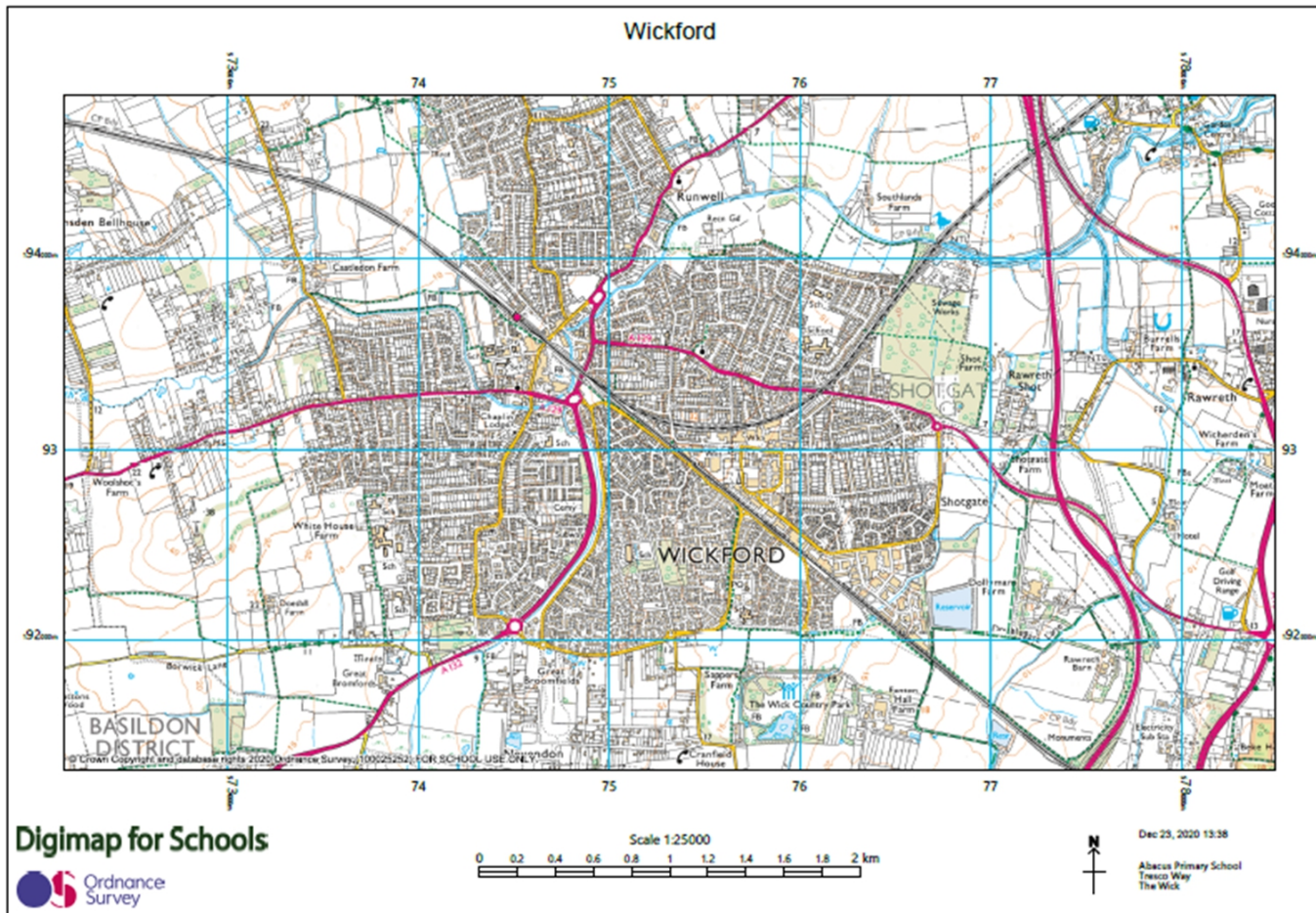
If there were 20 meal combinations, how many starters, mains and desserts might there be?

If I roll two six-sided dice there are 36 possible combinations.



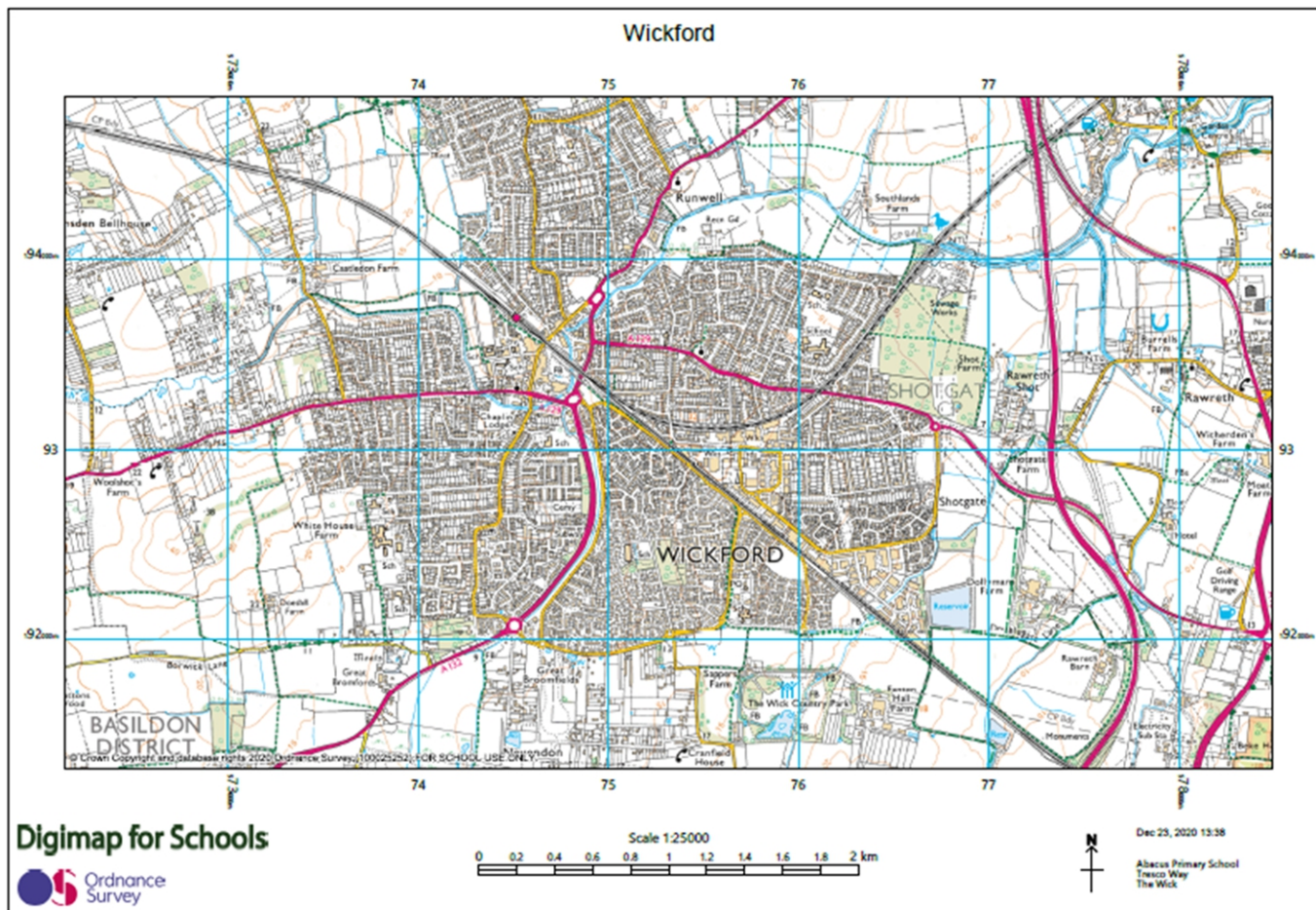
To use OS maps to gain a 6 figure grid reference

- [A beginners guide to grid references | OS GetOutside \(ordnancesurvey.co.uk\)](https://getoutside.ordnancesurvey.co.uk/guides/beginners-guide-to-grid-references/)
- <https://getoutside.ordnancesurvey.co.uk/guides/beginners-guide-to-grid-references/>
- Use this website to explain how to find 6 figure grid references. Scroll down to that section.
- This is really tricky work, so please just have a go. You can try to look for places and distances on the Wickford map or have a go at the task on the simplified map.



What is
at 75 92?

How
about
758 922?







































To work out the distances between two places we could measure it with wool/string and then use the scale to work out how far that is.

Answer from previous slide

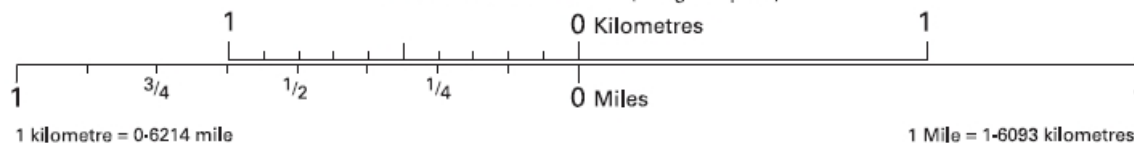
- a) Wick
- b) Our School

TOURIST & LEISURE INFORMATION

 Building of historic interest	 Country park	 Information centre	 Parking	 Telephone (public / motoring organisation / emergency)
 Cadw (Welsh heritage)	 Cycle trail	 Information centre, seasonal	 Park and ride, all year / seasonal	 Theme / pleasure park
 Camp site	 English Heritage property	 Horse riding	 Picnic site	 Viewpoint
 Caravan site	 Fishing	 Museum	 Preserved railway	 Visitor centre
 Camping and caravan site	 Forestry Commission visitor centre	 Nature reserve	 Public Convenience	 Walks / trails
 Castle / fort	 Garden / arboretum	 National Trust property	 Public house/s	 Water activities
 Cathedral / Abbey	 Golf course or links	 Other tourist feature	 Recreation / leisure / sports centre	 World Heritage site or area
 Country park				

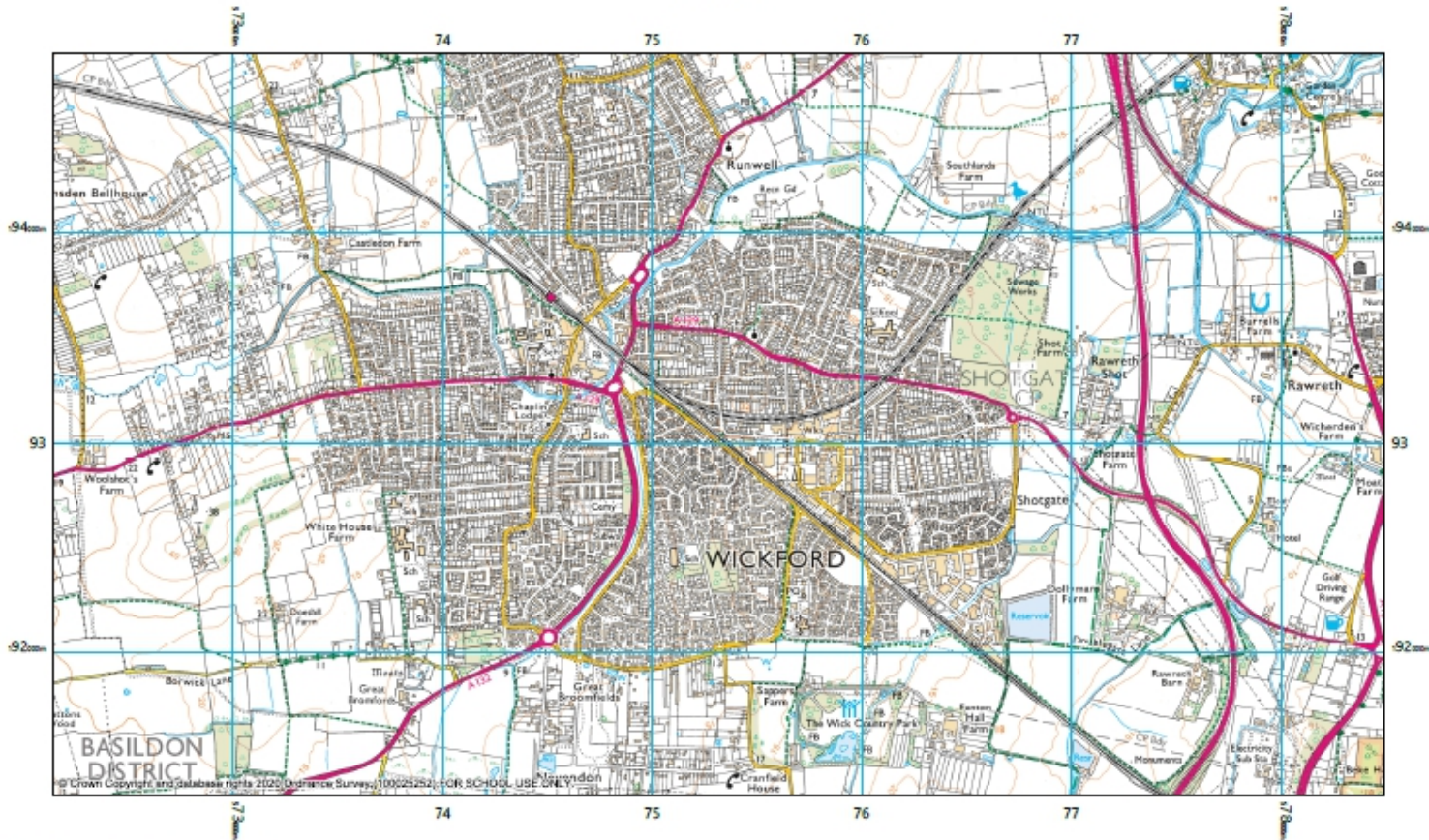
Scale 1: 25 000

4 centimetres to 1 kilometre (one grid square)



Symbols
on maps-
What do
they
mean?

Wickford

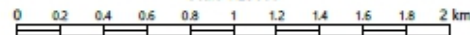


Wickford
Map to
use if
wanted

Digimap for Schools



Scale 1:25000



Dec 23, 2020 13:38

Abacus Primary School
Tresco Way
The Wick

Answers

Coal Mine: 148 309

Parking: 164 320

Castle: 157 305

Church: 164 304

Caravan site: 160 313

164304: Church

143310: B

172318: D

171323: Windmill

L.O. to use OS maps

- What have we managed to find?
- How do we feel about using coordinates on a map?
- How about finding distances?

Page 53

1 20

2 plain & milk, plain & dark, milk & milk, milk & dark,
dark & dark

Correspondence problems Answers

- 1 A canteen has 2 types of bread and a choice of 3 sandwich fillings.

Bread	Fillings
white	cheese
brown	tuna
	chicken

- a) List the different sandwiches that can be made.

One has been done for you.

cheese on white *cheese on brown*
tuna on white *tuna on brown*
chicken on white *chicken on brown*

- b) Complete the multiplication to represent the number of different combinations of bread and filling.

$$\boxed{2} \times \boxed{3} = \boxed{6}$$

Complete the sentence.

There are $\boxed{6}$ combinations.

- c) How many combinations would there be if there were 4 choices of sandwich filling?

- 2 A pizzeria offers a choice of bases and toppings.

Pizza base	Toppings
deep pan	mushrooms
thin	chicken
	onion
	peppers
	sweetcorn

Complete the multiplication to work out how many different combinations of pizza there are.

$$\boxed{2} \times \boxed{5} = \boxed{10}$$

Complete the sentence.

There are $\boxed{10}$ combinations of pizza.

- 3 Mo visits the funfair.

He buys a ticket that allows him to choose 1 ride and 1 game at the fair.

Rides	Games
Big dipper	Hook-a-duck
Dodgems	Basketball
Carousel	Coconut shy
	Lucky dip
	Test-your-strength

- a)

There are 8 different possible choices of rides and games.



Is Mo correct? No

Explain your answer.

He has done $3+5$ not 3×5

b) List all the different choices Mo can make.

BH BB BC BL BT
DH DB DC DL DT
CH CB CC CL CT

Mo can make 15 different choices.

Extension Answers

Here are the meal choices in the school canteen.

Starter	Main	Dessert
Soup Garlic Bread	Pasta Chicken Beef Salad	Cake Ice-cream Fruit Salad

There are 2 choices of starter, 4 choices of main and 3 choices of dessert.

How many meal combinations can you find? Can you use a systematic approach?
Can you represent the combinations in a multiplication?

If there were 20 meal combinations, how many starters, mains and desserts might there be?

There are 24 meal combinations altogether.

$$2 \times 4 \times 3 = 24$$

20 combinations

$$1 \times 1 \times 20$$

$$1 \times 2 \times 10$$

$$1 \times 4 \times 5$$

$$2 \times 2 \times 5$$

Accept all other variations of these four multiplications
e.g. $1 \times 20 \times 1$



Correspondence problems

True

For each possible number on the first roll there are 6 corresponding possibilities on the second roll.