National Curriculum Objectives

Statutory Requirements	Activity Sheet	Activity	Notes
Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures.	• Running Race • Time to Compete • What a Racket!	2 3 7	
Solve problems with addition and subtraction. Applying their increasing knowledge of mental and written methods.	• Running Race • Olympic Merchandise	2 4	
Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100.	• Going for Gold!	8	
Add and subtract numbers using concrete objects and pictorial representations and mentally, including:			
Adding three one-digit numbers.	• On Target! • The Medal Table	1 5	
Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.	• Swimming to Success	6	
Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	• The Medal Table • The Judges	5 9	

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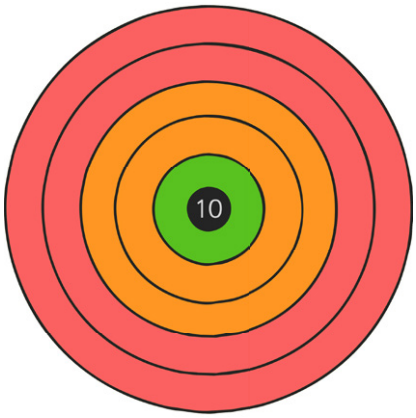
1. On Target!

1. The first archer shoots three arrows. One scores 3 points, one scores 2 points and the other scores 4 points. How many points does he score altogether?

2. The second archer shoots three arrows. One scores 4 points, one scores 5 points and the other scores 1 point. How many points does he score altogether?

Archery Competition



Points

Red =	2 point
Orange =	3 points
Green =	5 points
Centre =	10 points

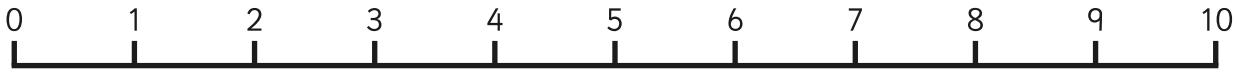
Zain fires 3 arrows and scores a total of 10 points in the archery competition. How many points did each arrow score? Are there different ways of making his total?

Example: 1st Arrow: *5 points*, 2nd Arrow: *0 points* (missed the target!), 3rd Arrow: *5 points*.

2. Running Races

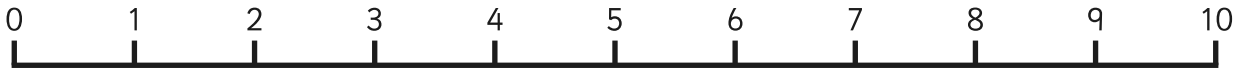
Can you use the number line to complete these word problems?

1. 5 athletes are getting ready for a race. 3 more arrive. How many are there altogether?



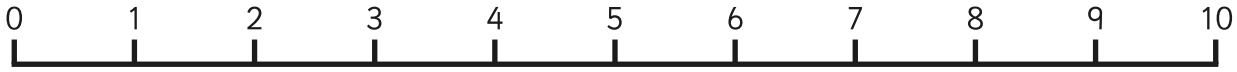
Answer =

2. Nine people started a race. Six finished. How many didn't finish the race?



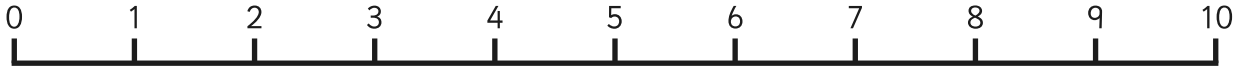
Answer =

3. Zahra has been running for 4 years. Ben has been running for 5 years. How many years have they both been running in total?



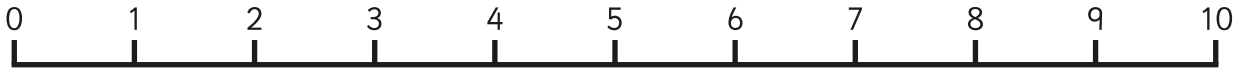
Answer =

4. Yuto ran his first race in 9 seconds. He ran his second race in 4 seconds. How much faster did he run the second race?



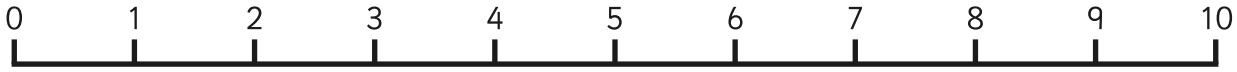
Answer =

5. Danielle wears number 7 when she runs and Tim wears number 3. If you added their race numbers together, what would the total be?



Answer =

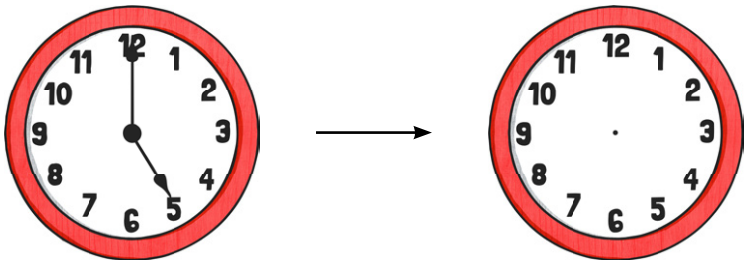
6. 6 athletes are warming up at the start line. 4 of them have blonde hair and the rest have brown hair. How many athletes have brown hair?



Answer =

3. Time to Compete!

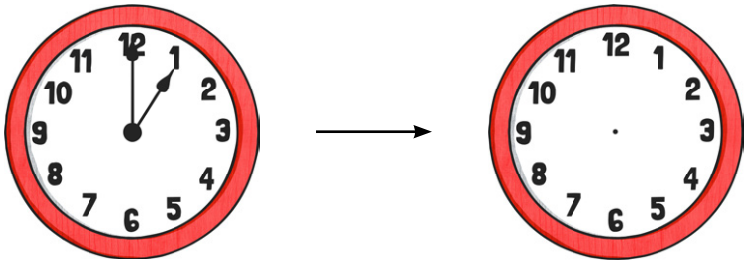
1. The opening ceremony begins at 5pm and lasts for 4 hours. What time does it finish?



2. The swimming race was due to start at 4 o'clock. It is delayed by 2 hours. What time will the swimming race begin?

Answer =

3. Athletes are flying into Rio from Mexico. The flight takes 4 hours. They leave at 1pm. What time will they arrive?



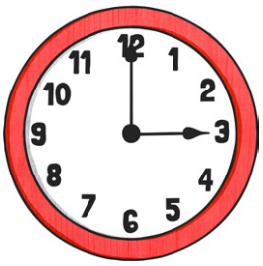
Sorting the Schedule

The times for the events have been mixed up! Can you help sort them into the correct order so that the events all start at the correct time?

200m Sprint

Javelin

Long Jump



Discus

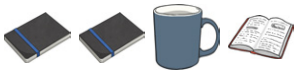
Relay

Time:	Time:	Time:	Time:	Time:
Event:	Event:	Event:	Event:	Event:

Earliest Event → Latest Event

4. Olympic Merchandise

Layla and her friends wanted to buy some souvenirs. Fill in the table to see how much it cost them.

Name	What they bought	How much did it cost altogether?
Layla	• A mug • A pack of t-shirts	
Magda	• A pack of postcards • A guide book • A hat	
Felix	• 2 badges • A hat	
Eli	• 2 mugs • A pack of t-shirts	
Cheng	• 2 notebooks • A mug • A guide book 	

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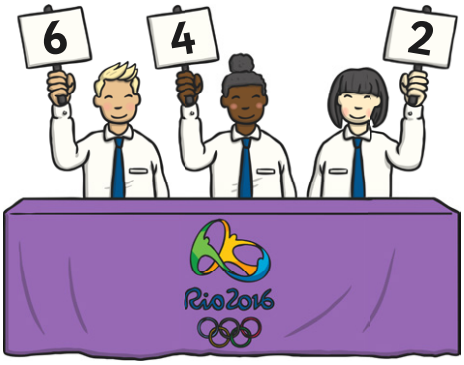
5. The Medal Table

Complete the medal table.

Country	Gold Medals	Silver Medals	Bronze Medals	Total number of Medals
Australia	4		3	**10**
U.S.A	3	4	3	
Great Britain	3	5		**10**
France	2		5	**10**
Russia	2	7	1	
China		4	3	**9**
Japan	1	4	4	
Germany	1		5	**8**
Canada	1	2	4	
Kenya	0			**7**
Italy	0		3	**5**

6. Swimming to Success

Put the numbers from the judges' scoreboards in the correct place to make these number sentences correct.



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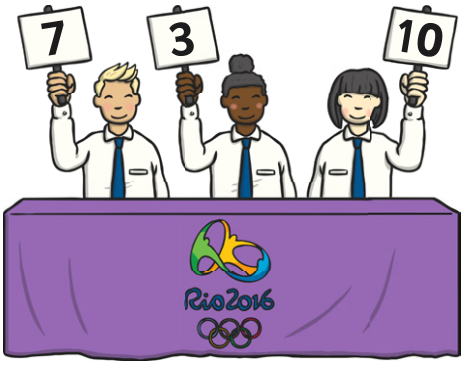
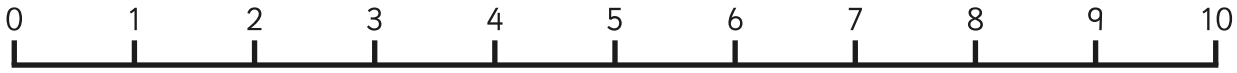


☐ + ☐ = ☐ or ☐ - ☐ = ☐

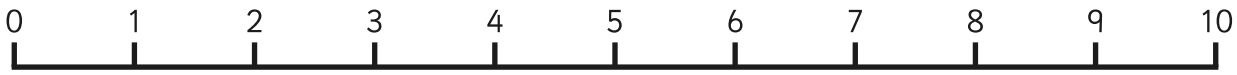
Can you find the correct answer?

1. In the diving events, there are two diving boards. One of the boards is 2 metres high and other is 8 metres high. What is the difference between the two boards?



Answer =

2. The USA sends 9 swimmers to the Olympics. Unfortunately, 3 of them get injured and can't swim. How many fit swimmers do they have left?



Answer =

7. What a racket!

1. Andy won 4 tennis matches on Monday. He then won another 5 on Tuesday. How many matches has he won so far?

Answer =

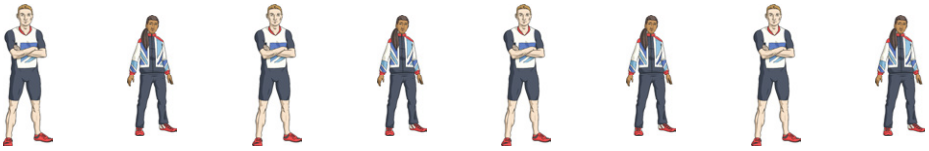
2. The Japanese team played in the badminton competition. They won 4 matches, drew 2 and lost 2. How many matches did they play?

Answer =

3. Ten teams begin the table tennis tournament. Eight are knocked out. How many are left?

Answer =

4. The Great Britain Squash team has eight players. Two of them are injured. How many are left to play?



Answer =

5. The Canadian team win 2 medals in badminton, 1 medal in the tennis and 3 medals in the squash tournament. How many medals do they have in total from these events?

Answer =

8. Going for Gold!

Can you use your number bond knowledge to solve these trickier problems?

1. Canada wins 20 hockey matches and France win 10.
   How many more matches do Canada win than France?

2. Brazil needs to build enough hotel rooms for 100 people. They have built 60 so far.
   How many more do they need to build?

3. The organisers buy 100 bottles of water for the tennis players in the tournament. The players drink water throughout the game. By the end, there are 30 bottles left.
   How many bottles were drunk during the game?

4. In the golf tournament, the lowest overall score wins. Michaels from the USA scored 30 in the first round and 30 in the second round. Takamura from Japan scored 40 in his first round and 10 in his second round. Which player won?

5. There were 100 people in the audience to watch the cycling. 80 of them bought a souvenir.
   How many did not buy a souvenir?

9. The Judges!

The judges for the gymnastics have muddled up their scores. They are not sure if they have added them correctly. *Can you check the scores are correct?*

Score card for: **Cheng Huan** Country: **China**

Total score for vault:	Total score for rings:	Total score for parallel bars:	**Overall score:**
4	**2**	**3**	**10**

Is this score card correct? Explain your answer.

Score card for: **Ivan Chekov** Country: **Russia**

Total score for vault:	Total score for rings:	Total score for parallel bars:	**Overall score:**
5	**1**	**2**	**8**

Is this score card correct? Explain your answer.

Score card for: **Troy Steel** Country: **USA**

Total score for vault:	Total score for rings:	Total score for parallel bars:	**Overall score:**
3	**3**	**3**	**10**

Is this score card correct? Explain your answer.

Answers

1. On Target

1) **9 points**

2) **10 points**

Archery Competition

Possible answers:

Arrow 1: 10 points, Arrow 2: 0 points, Arrow 3: 0 points

Arrow 1: 2 points, Arrow 2: 3 points, Arrow 3: 5 points

2. Running Races

1) **8 athletes**

2) **3 people**

3) **9 years**

4) **5 seconds**

5) **10**

6) **2**

3. Time to Compete

1) **9pm**

2) **6 o'clock**

3) **5pm**

Sorting the Schedule

Discus: 9:30am, Javelin: 10:15am, 200m sprint: 12pm, Long Jump: 3pm, Relay: 5:30pm

Answers

4. Olympic Merchandise

Name	What they bought	How much did it cost altogether?
Layla	• A mug • A pack of t-shirts	**£5**
Magda	• A pack of postcards • A guide book • A hat	**£6**
Felix	• 2 badges • A hat	**£3**
Eli	• 2 mugs • A pack of t-shirts	**£7**
Cheng	• 2 notebooks • A mug • A guide book	**£6**

5. Medal Table

Country	Gold Medals	Silver Medals	Bronze Medals	Total number of Medals
Australia	4	**3**	3	10
U.S.A	3	4	3	**10**
Great Britain	3	5	**2**	10
France	2	**3**	5	10
Russia	2	7	1	**10**
China	**2**	4	3	9
Japan	1	4	4	**9**
Germany	1	**2**	5	8
Canada	1	2	4	**7**
Kenya	0	**Possible answers total 7**		7
Italy	0	**2**	3	5

Answers

6. Swimming to Success

4 + 2 = 6 or **2 +4 = 6**

6 – 4 = 2 or **6 – 2 = 4**

7 + 3 = 10 or **3 + 7 = 10**

10 – 3 = 7 or **10 – 7 = 3**

1) **6m**

2) **6 swimmers**

7. What a racket!

1) **9 matches**

2) **8 matches**

3) **2 left**

4) **6 players**

5) **6 medals**

8. Going for Gold

1) **10 more**

2) **40**

3) **70 bottles**

4) **Takamura, Japan- 50 points overall**

5) **20 people**

9. The Judges

1) Cheng Huan, is the scorecard correct? **No, because 4+2+3 = 9**

2) Ivan Chekov, is the scorecard correct? **Yes, because 5+1+2=8**

3) Troy Steel, is the scorecard correct? **No, because 3+3+3=9**