Rounding and estimating quiz

Level A

1. Round 766 to the nearest 10.

    A) 76
    B) 760
    C) 770
    D) 800

2. Round 287 to the nearest 10.

    A) 280
    B) 300
    C) 285
    D) 290

3. What is 27 to the nearest 10?

    A) 10
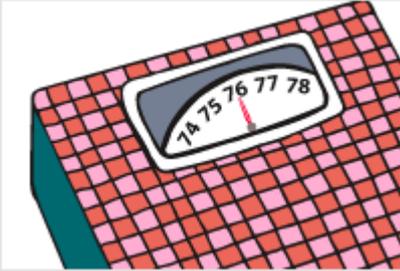   B) 20
    C) 30
    D) 25

4. What is this speed to the nearest 10 mph?

    A) 60 mph
    B) 50 mph
    C) 40 mph
    D) 55 mph

Rounding and estimating quiz

5. What is this weight to the nearest 10 kg?

   A) 100 kg
   B) 75 kg
   C) 70 kg
   D) 80 kg

6. How much is this vacuum cleaner, to the nearest £10?

   A) £100
   B) £130
   C) £180
   D) £140

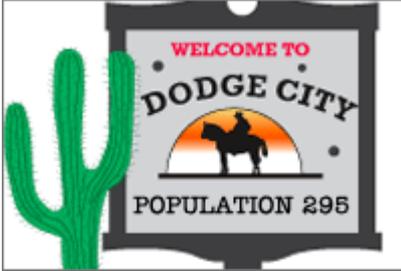7. How long is this DVD to the nearest 10 minutes?

   A) 100 minutes
   B) 200 minutes
   C) 190 minutes
   D) 195 minutes

Rounding and estimating quiz

8.   Round this population to the nearest 10.

A)   300
B)   250
C)   290
D)   200

9.   How fast is this train travelling to the nearest 10 kilometres per hour (kmh)?

A)   400 kmh
B)   440 kmh
C)   500 kmh
D)   430 kmh

10. Round £324.99 to the nearest £10

A)   £320
B)   £325
C)   £330
D)   £300

Rounding and estimating quiz

Level B

1. Round 255 to the nearest 100.

    A) 260
    B) 200
    C) 300
    D) 250

2. Round 947 to the nearest 100.

    A) 950
    B) 800
    C) 1 000
    D) 900

3. How many ml are in the jug, to the nearest 100 ml?

    A) 400 ml
    B) 300 ml
    C) 330
    D) 350 ml

Rounding and estimating quiz

4.   What is this speed to the nearest 100 mph?

   A)   80 mph
   B)   400 mph
   C)   300 mph
   D)   380 mph

5.   What is 675 g to the nearest 100 g?

   A)   600 g
   B)   680 g
   C)   500 kg
   D)   700 g

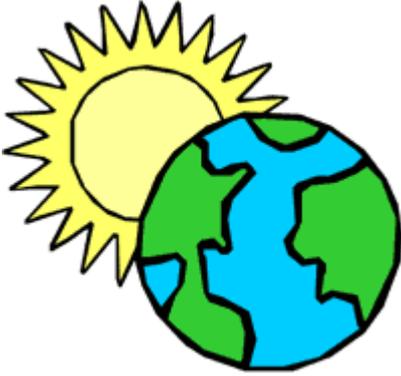6.   How much is this motor cycle, to the nearest £100?

SALE PRICE £749

   A)   £800
   B)   £750
   C)   £400
   D)   £700

Skillswise

Rounding and estimating quiz

7. It takes planet Earth 365 1/4 days to orbit (circle around) the Sun.

    How long is this orbit to the nearest 100 days?

    A) 300 days
    B) 365 days
    C) 400 days
    D) 370 days

8. The River Hyrid is 344 kilometres (km) long. Round this length to the nearest 100 km.

    A) 300 km
    B) 350 km
    C) 340 km
    D) 400 km

9. Scafell Pike, the highest mountain in England, is 978 metres high.

    How high is this to the nearest 100 metres?

    A) 900 metres
    B) 1 000 metres
    C) 800 metres
    D) 980 metres

Rounding and estimating quiz

10. Round £826.89 to the nearest £100.

   A) £827
   B) £800
   C) £830
   D) £900

Rounding and estimating quiz

Level C

1. Round these numbers to make them easier to work with and then estimate the answer.

   38 + 43 + 204

   Which answer is the closest to your estimate?

   A) 105
   B) 285
   C) 1014
   D) 634

2. Round these numbers to make them easier to work with and then estimate the answer.

    907 - 389

   Which answer is the closest to your estimate?

   A) 618
   B) 1 296
   C) 518
   D) 818

3. Round these numbers to make them easier to work with and then estimate the answer.

   196 x 4

   Which answer is the closest to your estimate?

   A) 192
   B) 200
   C) 49
   D) 784

Rounding and estimating quiz

4. Round these numbers to make them easier to work with and then estimate the answer.

    £9.76 + £6.65 + £1.05

    Which answer is the closest to your estimate?

    A) £17.46
    B) £1 746
    C) £16
    D) £2

5. Round these numbers to make them easier to work with and then estimate the answer.

    8 x 13 x 9

    Which answer is the closest to your estimate?

    A) 30
    B) 216
    C) 936
    D) 2 000

6. Round these numbers to make them easier to work with and then estimate the answer.

    Your local music shop is selling CDs for £4.95 each.

    How many can you buy with £35?

    A) 6
    B) 7
    C) 8
    D) 175

Skillswise

Rounding and estimating quiz

7. A postman delivered 311 letters on Monday and 493 on Tuesday.

   How many more letters were delivered on Tuesday?

   Which answer is the closest to your estimate?

   A) 804
   B) 182
   C) 102
   D) 92

8. A nurse earns £9.65 per hour and works for 42 hours each week. What is her weekly pay

   A) £50.30
   B) £365.30
   C) £405.30
   D) £505.30

Rounding and estimating quiz

9. A train driver makes three journeys of 207 miles, 178 miles and 298 miles.

    How far was travelled altogether?

    A) 420 miles
    B) 963 miles
    C) 603 miles
    D) 683 miles

10. In a working week (Monday - Friday), a factory canteen serves 485 meals. How many meals, on average, are served each day?

    A) 97
    B) 2425
    C) 69
    D) 970

Rounding and estimating quiz

Answers

Level A

1. Round 766 to the nearest 10.

   The correct answer is: C. 770

   766 is between 760 and 770, but it's nearer to 770. The 6 in the units column tells us the number should be rounded up.

   766 rounded to the nearest 10 is 770.

2. Round 287 to the nearest 10.

   The correct answer is: D. 290

   287 is between 280 and 290, but it's nearer to 290. The 7 in the units column tells us the number should be rounded up.

   287 rounded to the nearest 10 is 290.

3. What is 27 to the nearest 10?

   The correct answer is: C. 30

   27 is between 20 and 30, and it's nearer to 30. The 7 in the units column tells us the number should be rounded up.

Rounding and estimating quiz

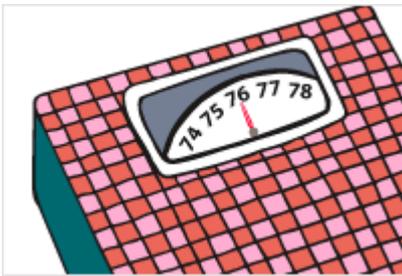4. What is this speed to the nearest 10 mph?

The correct answer is: B. 50 mph

53 is between 50 and 60, but it's nearer to 50. The 3 in the units column tells us the number should be rounded down.

53 mph rounded to the nearest 10 mph is 50 mph.

5. What is this weight to the nearest 10 kg?

The correct answer is: D. 80 kg

76 is between 70 and 80, and it's nearer to 80. The 6 in the units column tells us the number should be rounded up.

76 kg rounded to the nearest 10 kg is 80 kg.

Rounding and estimating quiz

6. How much is this vacuum cleaner, to the nearest £10?

The correct answer is: D. £140

£138 is between £130 and £140, and it's nearer to £140. The 8 in the units column tells us the number should be rounded up.

£138 rounded to the nearest £10 is £140.

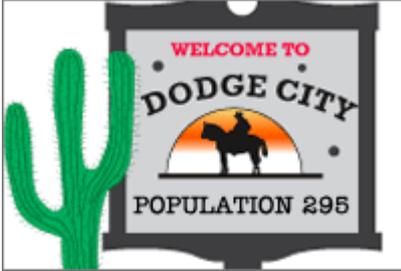7. How long is this DVD to the nearest 10 minutes?

The correct answer is: C. 190 minutes

194 is between 190 and 200, and it's nearer to 190. The 4 in the units column tells us the number should be rounded down.

194 minutes rounded to the nearest 10 minutes is 190 minutes.

Rounding and estimating quiz

8. Round this population to the nearest 10.

The correct answer is: A. 300

295 is between 290 and 300, and it's nearer to 300. The 5 in the units column tells us the number should be rounded up.

A population of 295 rounded to the nearest 10 is 300.

9. How fast is this train travelling to the nearest 10 kilometres per hour (kmh)?

The correct answer is: B. 440 kmh

436 is between 430 and 440, but it's nearer to 440. The 6 in the units column tells us the number should be rounded up.

436 kilometres per hour rounded to the nearest 10 kmh is 440 kmh.

10. Round £324.99 to the nearest £10

The correct answer is: A. £320

You should ignore the 99 pence and focus on the £4, as you had to round to the nearest £10.

£324.99 rounded to the nearest £10 is £320.

Rounding and estimating quiz

Level B

1. Round 255 to the nearest 100.

    The correct answer is: C. 300

    255 is between 200 and 300, but it's nearer to 300. The 5 in the tens column tells us the number should be rounded up.

    255 rounded to the nearest 100 is 300.

2. Round 947 to the nearest 100.

    The correct answer is: D. 900

    947 is between 900 and 1 000, but it's nearer to 900. The 4 in the tens column tells us the number should be rounded down.

    947 rounded to the nearest 100 is 900.

3. How many ml are in the jug, to the nearest 100 ml?

    The correct answer is: B. 300 ml

    330 ml is between 300 and 400, but it's nearer to 300. The 3 in the tens column tells us the number should be rounded down.

    330 ml rounded to the nearest 100 mil is 300 ml.

Rounding and estimating quiz

4. What is this speed to the nearest 100 mph?

The correct answer is: B. 400 mph

381 is between 300 and 400, and it's nearer to 400. The 8 in the tens column tells us the number should be rounded up.

381 miles per hour rounded to the nearest 100 mph is 400 mph.

5. What is 675 g to the nearest 100 g?

The correct answer is: D. 700 g

675 is between 600 and 700, and it's nearer to 700. The 7 in the tens column tells us the number should be rounded up.

675 grams rounded to the nearest 100 g is 700 g.

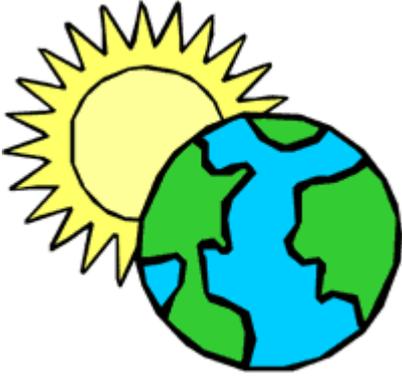6. How much is this motor cycle, to the nearest £100?

The correct answer is: D. £700

£749 is between £700 and £800 and it's nearer to £700. The 4 in the tens column tells us the number should be rounded down. £749 rounded to the nearest is £100 is £700.

Rounding and estimating quiz

7. It takes planet Earth 365 1/4 days to orbit (circle around) the Sun.

    How long is this orbit to the nearest 100 days?

The correct answer is: C. 400 days

365 1/4 is between 300 and 400, but it's nearer to 400. The 6 in the tens column tells us the number should be rounded up.

365 1/4 rounded to the nearest 100 days is 400 days.

8. The River Hyrid is 344 kilometres (km) long. Round this length to the nearest 100 km.

The correct answer is: A. 300 km

344 is between 300 and 400, and it's nearer to 300. The 4 in the tens column tells us the number should be rounded down.

344 kilometres rounded to the nearest 100 km is 300 km.

Rounding and estimating quiz

9. Scafell Pike, the highest mountain in England, is 978 metres high.

    How high is this to the nearest 100 metres?

    The correct answer is: B. 1 000 metres

    978 is between 900 and 1 000, but it's nearer to 1 000. The 7 in the tens column tells us the number should be rounded up.

    978 metres rounded to the nearest 100 metres is 1 000 metres.

10. Round £826.89 to the nearest £100.

    The correct answer is: B. £800

    You were right to ignore the £6.89 and focus on the 2 in the tens column. The 2 in the tens column tells us the number should be rounded down. £826.89 rounded to the nearest £100 is £800.

Rounding and estimating quiz

Level C

1. Round these numbers to make them easier to work with and then estimate the answer.

    38 + 43 + 204

    Which answer is the closest to your estimate?

    The correct answer is: B. 285

    Did you round to the nearest 10, giving you:

    40 + 40 + 200 = 280

    So, the correct answer must be 285.

2. Round these numbers to make them easier to work with and then estimate the answer.

    907 - 389

    Which answer is the closest to your estimate?

    The correct answer is: C. 518

    First, round each number to the nearest 100:

    907 rounds to 900

    389 rounds to 400

    Next, do the subtraction:

    900 - 400 = 500

    You can see that the correct answer must be 518.

Rounding and estimating quiz

3. Round these numbers to make them easier to work with and then estimate the answer.

    196 × 4

    Which answer is the closest to your estimate?

    The correct answer is: D. 784

    You spotted that you only had to round one number, 196. This rounded to the nearest 100 is 200.

    200 × 4 = 800

    The correct answer must be 784.

4. Round these numbers to make them easier to work with and then estimate the answer.

    £9.76 + £6.65 + £1.05

    Which answer is the closest to your estimate?

    The correct answer is: A. £17.46

    To make the numbers easier to work with you had to round each to the nearest £1:

    £9.76 becomes £10

    £6.65 becomes £7

    £1.05 becomes £1

    Next add the amounts together:

    £10 + £7 + £1 = £18

    The answer closest to your estimate is £17.46.

Rounding and estimating quiz

5. Round these numbers to make them easier to work with and then estimate the answer.

    8 × 13 × 9

    Which answer is the closest to your estimate?

    The correct answer is: C. 936×

    First, round the numbers to the nearest 10:

      8 becomes 10

      13 becomes 10

      9 becomes 10

    Then calculate:

      10 × 10 × 10 = 1 000

    The answer closest to your estimate is 936.

6. Round these numbers to make them easier to work with and then estimate the answer.

    Your local music shop is selling CDs for £4.95 each.

    How many can you buy with £35?

    The correct answer is: B. 7

    You had to round £4.95 to £5. Next, calculate:

      35 ÷ 5 = 7.

    With £35 you can buy 7 CDs at £4.95, and there will be 7 × 5p = 35p change.

Rounding and estimating quiz

7. A postman delivered 311 letters on Monday and 493 on Tuesday.

    How many more letters were delivered on Tuesday?

    Which answer is the closest to your estimate?

The correct answer is: B. 182

First, round each number to the nearest 100:

  311 rounds down to 300

  493 rounds up to 500

Next, subtract to find the difference:

  500 - 300 = 200

The nearest answer to your estimate is 182.

Rounding and estimating quiz

8. A nurse earns £9.65 per hour and works for 42 hours each week. What is her weekly pay

The correct answer is: C. £405.30

First, round each number to make it easier to work with:

£9.65 rounds up to £10

42 rounds down to 40

Next, calculate:

£10 × 40 = £400

The answer nearest to your estimate is £405.30

Rounding and estimating quiz

9. A train driver makes three journeys of 207 miles, 178 miles and 298 miles.

   How far was travelled altogether?

   The correct answer is: D. 683 miles

   The easiest way to get the answer was to round each number to the nearest 100:

   207 rounds down to 200

   178 rounds up to 200

   298 rounds up to 300

   Next, add the numbers:

   200 + 200 + 300 = 700

   The answer nearest to your estimate was 683 miles.

Rounding and estimating quiz

10. In a working week (Monday - Friday), a factory canteen serves 485 meals. How many meals, on average, are served each day?

The correct answer is: A. 97

It's a division calculation. First, round 485 to the nearest 100 to get 500. There are 5 days in the week, to work out the average:

500 ÷ 5 = 100

The answer nearest to your estimate was 97 meals per day.