THIRD SPACE
LEARNING

Rounding to 10, 100 and 1000 - Worksheet

Skill

Group A - Rounding to the nearest 10

Round each of the following to the nearest 10:

1) 24   **2)** 76   **3)** 457

4) 567   **5)** 1,023   **6)** 1,256

7) 569   **8)** 3,456   **9)** 1,343

10) 10,096   **11)** 3,234   **12)** 9,992

Group B - Rounding to the nearest 100

Round each of the following to the nearest 100:

1) 234   **2)** 109   **3)** 986

4) 678   **5)** 456   **6)** 6798

7) 890   **8)** 21,345   **9)** 14,456

10) 10,456   **11)** 90,057   **12)** 99,999

Group C - Rounding to the nearest 1000

Round each of the following to the nearest 1000:

1) 1,564   **2)** 2,134   **3)** 8,434

4) 10,904   **5)** 12,567   **6)** 23,768

7) 52,555   **8)** 65,560   **9)** 19,456

10) 450,999   **11)** 23,879   **12)** 89,345

Rounding to 10, 100 and 1000 - Worksheet

Applied

1) **(a)** A football match between Liverpool FC and Watford Utd was watched by 23,652 fans. How many fans were in attendance rounded to the nearest 100?

   (b) 50% of the fans ordered fizzy drinks. Rounded to the nearest 10, how many fizzy drinks were consumed?

2) **(a)** A car is on sale for £9,097. James asks the car seller to round the price to the nearest 1000. What is the new price of the car?

   (b) The seller suggests to round the price of the car to the nearest 100. What will be the price of the car?

3) **(a)** A house is on sale for £567,550. The agent's fee is an additional £1500. What is the agent's fee rounded to the nearest 1000?

   (b) What is the price of the house and agent's fee to the nearest 1000?

4) **(a)** An ice cream vendor sells 30 ice creams to the nearest 10 at $50p$ each. What is the least amount of money he could have made?

   (b) What is the highest amount of money he could have made?

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Rounding to 10, 100 and 1000 - Exam Questions

1) **(a)** James thinks of a whole number. He rounds the number to the nearest 10 and obtains an answer of 40. Write down all the numbers he could have thought of.

....
(2)

(b) James adds the lowest possible answer to the highest possible answer. What is this sum?

....
(2)
(4 marks)

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2) **(a)** A square garden has a perimeter of $60m$. If each side of the garden is rounded to the nearest 10, what would the new perimeter be?

$perimeter = 60m$

....
(3)

(b) The grass in the garden needs some weed killer which costs £26 per bottle. Jane decides to buy 3 bottles and rounds up the price per bottle to the nearest 10. How much does she spend?

....
(2)
(4 marks)

Rounding to 10, 100 and 1000 - Exam Questions

3) **(a)** Write in figures the number twenty three thousand, four hundred
and fifty five.

....
(1)

(b) Round this number to the nearest hundred.

....
(1)
(2 marks)

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4) **(a)** I buy 6 chocolate bars for $57p$. I round the price of the chocolates to the
nearest 10. How much do I spend?

....
(2)

(b) Using your solution to part a), how much change do I obtain from £10?

....
(2)
(4 marks)

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Rounding to 10, 100 and 1000 - Answers

	Question	Answer
	Skill Questions	
Group A	Round each of the following to the nearest 10: **1)** 24 **2)** 76 **3)** 457 **4)** 567 **5)** 1,023 **6)** 1,256 **7)** 569 **8)** 3,456 **9)** 1,343 **10)** 10,096 **11)** 3,234 **12)** 9,992	**1)** 20 **2)** 80 **3)** 460 **4)** 570 **5)** 1,020 **6)** 1,260 **7)** 570 **8)** 3,460 **9)** 1,340 **10)** 10,100 **11)** 3,230 **12)** 9,990
Group B	Round each of the following to the nearest 100: **1)** 234 **2)** 109 **3)** 986 **4)** 678 **5)** 456 **6)** 6798 **7)** 890 **8)** 21,345 **9)** 14,456 **10)** 10,456 **11)** 90,057 **12)** 99,999	**1)** 200 **2)** 100 **3)** 1,000 **4)** 700 **5)** 500 **6)** 6,800 **7)** 900 **8)** 21,300 **9)** 14,500 **10)** 10,500 **11)** 90,100 **12)** 100,000

Rounding to 10, 100 and 1000 - Answers

Group C	Round each of the following to the nearest 1000:	
	1) $1,564$	
	2) $2,134$	**1)** $2,000$
	3) $8,434$	**2)** $2,000$
	4) $10,904$	**3)** $8,000$
	5) $12,567$	**4)** $11,000$
	6) $23,768$	**5)** $13,000$
	7) $52,555$	**6)** $24,000$
	8) $65,560$	**7)** $53,000$
	9) $19,456$	**8)** $66,000$
	10) $450,999$	**9)** $19,000$
	11) $23,879$	**10)** $451,000$
	12) $89,345$	**11)** $24,000$
		12) $89,000$

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Rounding to 10, 100 and 1000 - Answers

	Question	Answer
	Applied Questions	
1)	**a)** A football match between Liverpool FC and Watford Utd was watched by $23,652$ fans. How many fans were in attendance rounded to the nearest 100?	**a)** $23,700$ fans
	b) 50% of the fans ordered fizzy drinks. Rounded to the nearest 10, how many fizzy drinks were consumed?	**b)** $11,830$
2)	**a)** A car is on sale for £$9,097$. James asks the car seller to round the price to the nearest 1000. What is the new price of the car?	**a)** £$9,000$
	b) The seller suggests to round the price of the car to the nearest 100. What will be the price of the car?	**b)** £$9,100$
3)	**a)** A house is on sale for £$567,550$. The agent's fee is an additional £1500. What is the agent's fee rounded to the nearest 1000?	**a)** £$2,000$
	b) What is the price of the house and agent's fee to the nearest 1000?	**b)** £$569,000$
4)	**a)** An ice cream vendor sells 30 ice creams to the nearest 10 at $50p$ each. What is the least amount of money he could have made?	**a)** £12.50
	b) What is the highest amount of money he could have made?	**b)** £17

Rounding to 10, 100 and 1000 - Mark Scheme

		Question	Answer	
		Exam Questions		
1)	**(a)**	James thinks of a whole number. He rounds the number to the nearest 10 and obtains an answer of 40. Write down all the numbers he could have thought of.	**(a)** 35, 36, 37, 38, 39, 40, 41, 42, 43, 44 Correct list of numbers 1 mark awarded for 6 correct answers	**(1)** **(1)**
	(b)	James adds the lowest possible answer to the highest possible answer. What is this sum?	**(b)** $35 + 44$ $35 + 44 = 79$	**(1)** **(1)**
2)	**(a)**	A square garden has a perimeter of $60m$. If each side of the garden is rounded to the nearest 10, what would the new perimeter be? $perimeter = 60m$	**(a)** $60 \div 4 = 15cm$ 15 rounded to nearest $10 = 20cm$ $20cm \times 4 = 80cm$	**(1)** **(1)** **(1)**
	(b)	The grass in the garden needs some weed killer which costs £26 per bottle. Jane decides to buy 3 bottles and rounds up the price per bottle to the nearest 10. How much does she spend?	**(b)** £26 to nearest $10 = £30$ $£30 \times 3 = £90$	**(1)** **(1)**
3)	**(a)**	Write in figures the number twenty three thousand, four hundred and fifty five.	**(a)** $23,455$	**(1)**
	(b)	Round this number to the nearest hundred.	**(b)** $23,500$	**(1)**

Rounding to 10, 100 and 1000 - Mark Scheme

4) (a)	I buy 6 chocolate bars for $57p$. I round the price of the chocolates to the nearest 10. How much do I spend?	**(a)** $57p$ rounded to nearest $10 = 60p$ $60p \times 6 = £3.60$	**(1)** **(1)**
(b)	Using your solution to part a), how much change do I obtain from £10?	**(b)** $£10 - £3.60$ **oe** $£6.40$	**(1)** **(1)**