3rd Basic

4th Advanced

Helping With Math

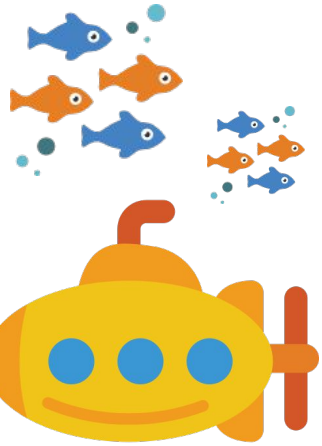
USA GRADES

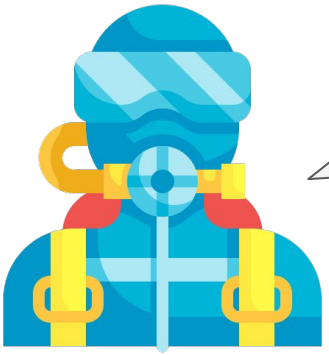
Rounding Whole Numbers (Tens and Hundreds)

Suitable for students
aged 7-9

This pack is suitable for learners aged 7-9 years old or 3rd to 4th graders (USA). The content covers fact files and relevant basic and advanced activities involving rounding whole numbers to the nearest tens and hundreds.

Rounding numbers is the process of making a number simpler but keeping its value close to what it was. The result is an estimated value (not the exact or actual) and is easier to understand but less accurate.





We are rounding numbers is in our everyday lives without even realizing it. For example, your friend asks you how many pages of worksheets were you able to finish last week? You might say that you finished about 20 pages. It may be 15 or 22, but you know you finished about 20 pages, so you round to the nearest ten.

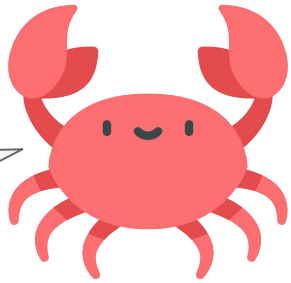
ROUNDING TO THE NEAREST TENS

We will use the number line to visualize how rounding to the nearest tens is done.

Is **12** closer to **10** or **20**?

Number **12** is between **10** and **20** on the number line. As you can see, **12** is closer because it is only **2 steps away** from **10** and **8 steps away** from **20**. So, we **round down 12** to **10.**

It is also easy to round numbers to the nearest tens even without the number line, just follow the steps.



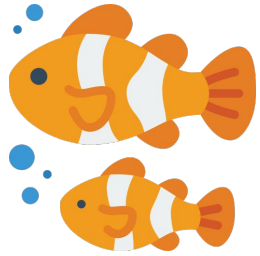
Step 1: Identify and <u>underline</u> the rounding digit **(tens digit)** to avoid confusion when rounding large numbers.
Step 2: Look at the digit in the **one's place**.
Step 3: Follow the rounding rules.

- ★ If the digit in the ones place is 0, 1, 2, 3, or 4, you need to round down the number. To do it, copy the rounding digit.
- ★ If the digit in the ones place is 5, 6, 7, 8, or 9, you need to round up the number. To do it, add 1 to the rounding digit.

Step 4: Change all the digit/s to its right to zero.
Step 5: All the digit/s to the left remain the same.

ROUNDING TO THE NEAREST TENS

Let's apply the rules in some examples.



1. Round 37 to the nearest tens.

37 → **40**

Underline 3, since it is in the **tens** place;
look at the digit in the **ones place**;
7 > 5, so we **round it up**, **add 1** to **3** that is **4**; and
7 will turn into **zero**.

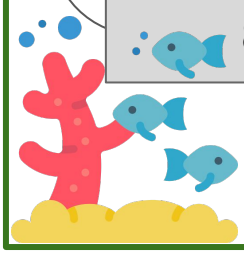
37 is 40 when rounded to the nearest tens.

2. Round 821 to the nearest tens.

821 → **820**

Underline 2, since it is in the **tens** place;
look at the digit in the **ones place**;
1 < 5, so we **round it down**, **2 will remain**;
1 will turn into **zero**; and
copy the digit to its **left (hundreds place)**.

821 is 820 when rounded to the nearest tens.



ROUNDING TO THE NEAREST TENS

Let's apply the rules in some examples.

3. Round 2 361 to the nearest tens.

2 361 → **2 360**

Underline 6, since it is in the **tens** place;
look at the digit in the **ones place**;
1 < 5, so we **round it down**, **6 will remain**;
1 will turn into **zero**; and
copy the digit to its **left (hundreds and thousands place)**.

2 361 is 2 360 when rounded to the nearest tens.

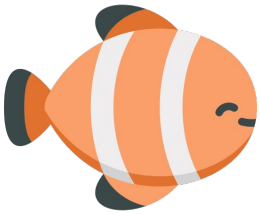
4. Round 37 589 to the nearest tens.

37 589 → **37 590**

Underline 8, since it is in the **tens** place;
look at the digit in the **ones place**;
9 > 5, so we **round it up**, **add 1** to **8** that is **9**;
9 will turn into **zero**; and
copy the digit to its **left (hundreds, thousands, and ten thousands place)**.

37 589 is 37 590 when rounded to the nearest tens.

ROUNDING TO THE NEAREST HUNDREDS



Let's now round numbers to the nearest hundreds.

1. Round 621 598 to the nearest hundreds.

621 598 → **621 600**

Underline 5, since it is in the **hundreds** place;
look at the digit in the **tens place**;
9 > 5, so we **round it up**, **add 1** to **5** that is **6**;
9 and 8 will turn into **zeros**; and
copy all the digits to its **left (thousands, ten thousands, and hundred thousands place)**.

621 598 is 621 600 when rounded to the nearest hundreds.

2. Round 2 811 742 to the nearest hundreds.

2 811 742 → **2 811 700**

Underline 7, since it is in the **hundreds** place;
look at the digit in the **tens place**;
4 < 5, so we **round it down**, **7 will remain**;
4 and 2 will turn into **zeros**; and
copy all the digits to its **left (thousands, ten thousands, hundred thousands, and millions place)**.

2 811 742 is 2 811 700 when rounded to the nearest hundreds.

TABLE OF ACTIVITIES

Ages 7-8 (Basic)		3rd Grade
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3	When You Sea It	
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5	Ship Explorer	
Ages 8-9 (Advanced)		4th Grade
6	Penny Penguin	
7	Jellyfishing	
8	Finding Baby Shark	
9	Star of the Sea	
10	Ninja Saves the Turtles	

GET THE SEASHELLS

G3
Basic

Let's get it! You need to round the numbers in each seashell to the nearest tens to get them under the sea.

56

1.

32

2.

14

4.

75

3.

88

5.

99

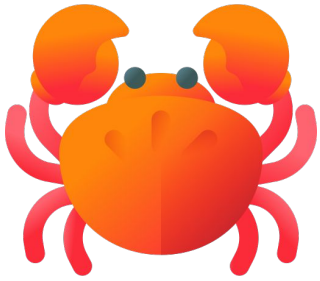
6.

ROUND IT WITH CRABBY

G3 Basic

Help Crabby go back to the sea by rounding each number that he will encounter to the nearest tens.

Hi! I am Crabby! I am happy that you will help me go back to the sea!



1

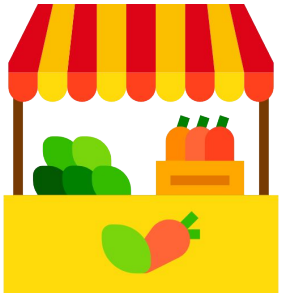
562

2

320

3

989

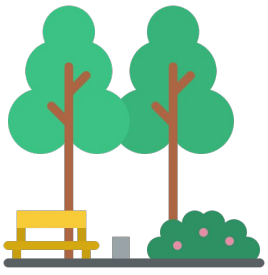


4

899

5

477



6

134

WHEN YOU SEA IT

G3
Basic

Look at the fishes! Check (✓) the fish with a correct rounded number to the nearest tens and cross out (✗) the fish with incorrect rounded numbers.

1 1 256 ≈ 1 250

2 6 231 ≈ 6 230

3 5 999 ≈ 6 000

4 8 453 ≈ 8 450

5 2 857 ≈ 2 860

ROUND DEEPER

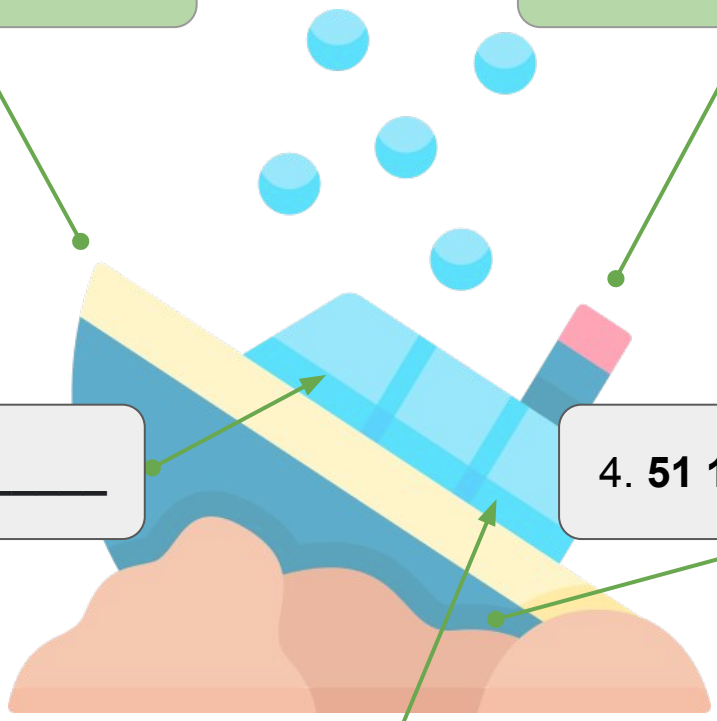
G3
Basic

Benjamin is a diver, and he will look at a shipwreck in the Caribbean Sea to discover its hidden past. Help him enter each part of the shipwreck by rounding the numbers to the nearest tens.

Hi! I am Benjamin! I am thankful that you will help me explore the shipwreck. Let's have fun!

1. **23 256 ≈ _____**

2. **44 394≈ _____**



3. **92 633 ≈ _____**

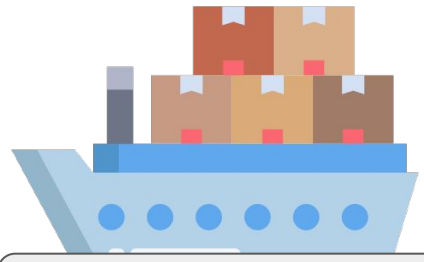
4. **51 111 ≈ _____**

5. **79 280 ≈ _____**

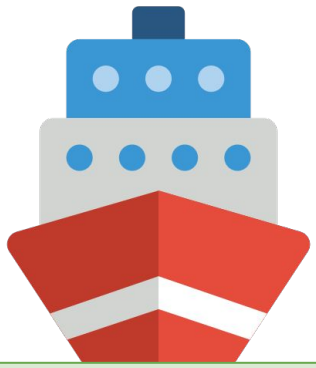
SHIP EXPLORER

G3
Basic

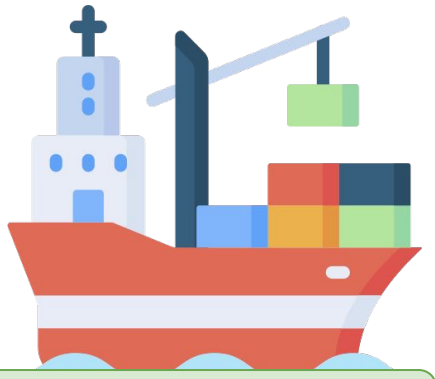
Let's go and sail! Explore the different kinds of ships in the ocean by rounding each number to the nearest tens.



1. **322 628 ≈ _____**

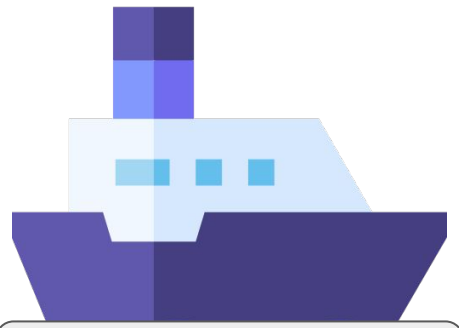


2. **687 524 ≈ _____**



3. **100 365 ≈ _____**

4. **455 889 ≈ _____**

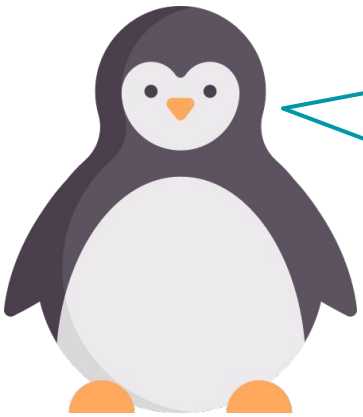


5. **920 000 ≈ _____**

PENNY PENGUIN

G4 Advanced

Penny Penguin wants to say something to you! Unlock the hidden message by rounding each number to the nearest hundreds.



____	____	____	____	____	____	____	!
300	900	500	100	800	200	500	

N 721 ≈ _____

A 255 ≈ _____

R 605 ≈ _____

E 478 ≈ _____

S 99 ≈ _____

W 850 ≈ _____

M 163 ≈ _____

U 599 ≈ _____

O 801 ≈ _____

J 449 ≈ _____

JELLYFISHING

G4 Advanced

Be ready! You will go jellyfishing with Spongebob and help him round the given numbers to the nearest hundreds to catch the jellyfishes.

1. 2 365 ≈ _____

2. 4 132 ≈ _____

3. 9 520 ≈ _____

"I'm ready, I'm ready!"

4. 6 899 ≈ _____

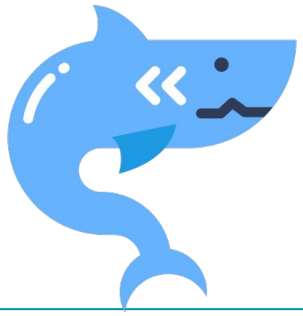
5. 7 185 ≈ _____

6. 937 ≈ _____

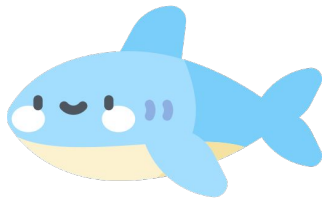
FINDING BABY SHARK

G4 Advanced

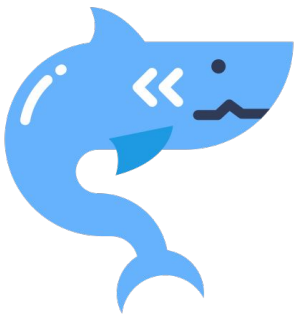
Help the mother sharks find their baby sharks by matching the correct rounded numbers to the nearest hundreds.



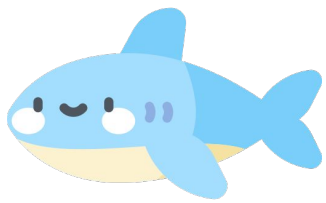
1. 32 852



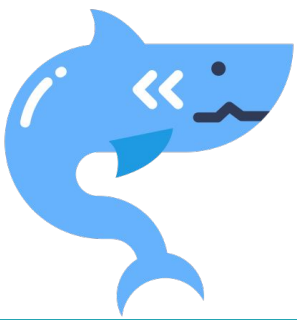
A. 32 300



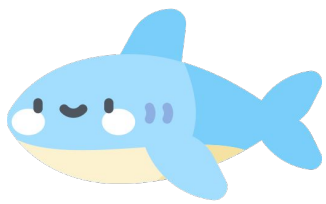
2. 32 325



B. 32 900



3. 32 445

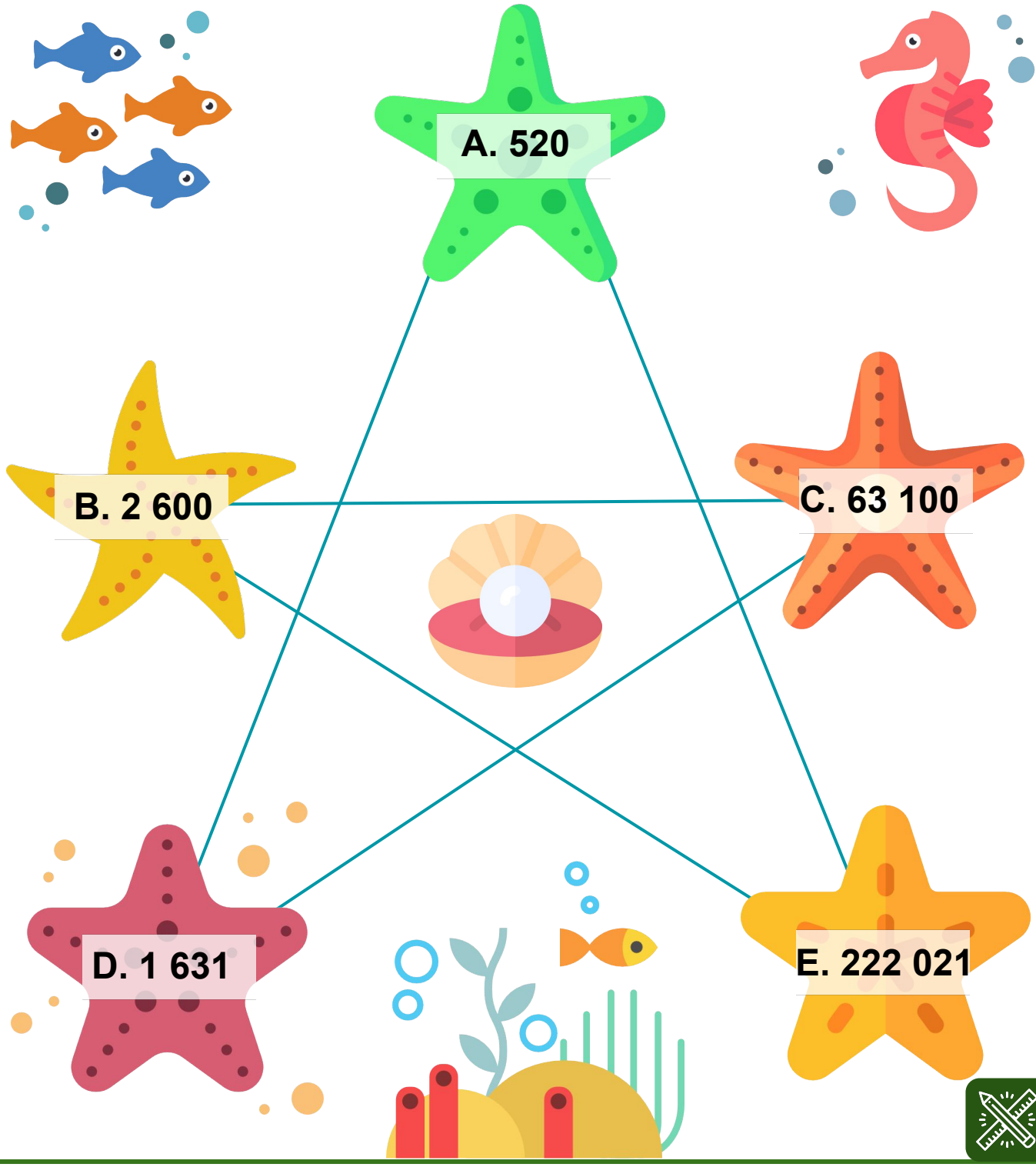


C. 32 400

STAR OF THE SEA

G4 Advanced

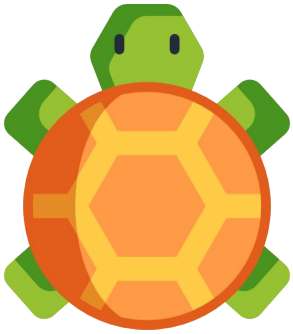
Identify which starfish have numbers that were rounded to the nearest hundred.

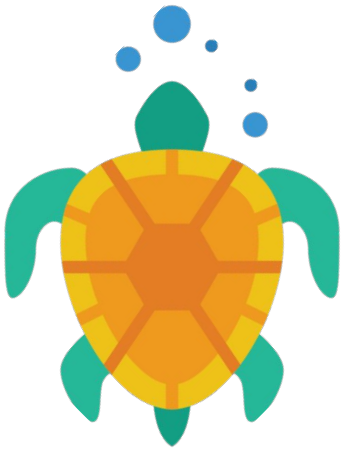


NINJA SAVES THE TURTLES

G4 Advanced

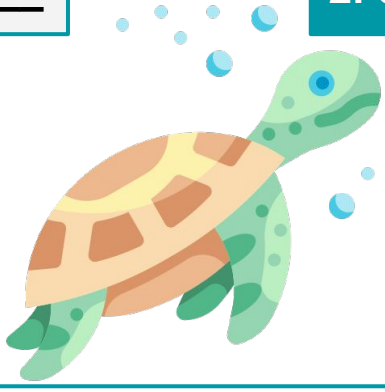
Save the turtles! Imagine you are a ninja and your goal is to save the turtles. You need to round each number to the nearest hundreds to do it.



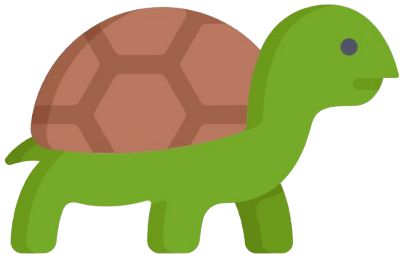


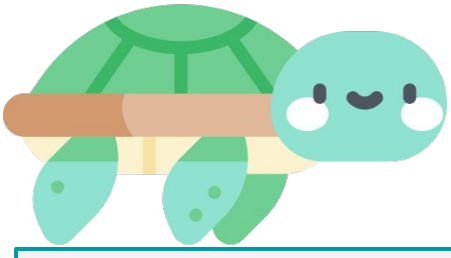
1. 1 365 451 ≈ _____

2. 6 233 897 ≈ _____



3. 8 654 110 ≈ _____





4. 7 966 745 ≈ _____

5. 2 978 154 ≈ _____

ANSWER GUIDE

Activity 1

1. 60
2. 130
3. 80
4. 10
5. 90
6. 100

Activity 2

1. 560
2. 320
3. 990
4. 900
5. 480
6. 130

Activity 3

1. ✗
2. ✓
3. ✓
4. ✓
5. ✓

Activity 4

1. 23 260
2. 44 390
3. 92 630
4. 51 110
5. 79 280

Activity 5

1. 322 630
2. 687 520
3. 100 370
4. 455 890
5. 920 000

ANSWER GUIDE

Activity 6

HIDDEN MESSAGE - AWESOME!

Activity 7

1. 2 400
2. 4 100
3. 9 500
4. 6 900
5. 7 200
6. 1 000

Activity 8

1. B
2. A
3. C

Activity 9

LETTERS B and C

Activity 10

1. 1 365 500
2. 6 233 900
3. 8 645 100
4. 7 966 700
5. 2 978 200

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